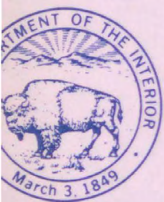
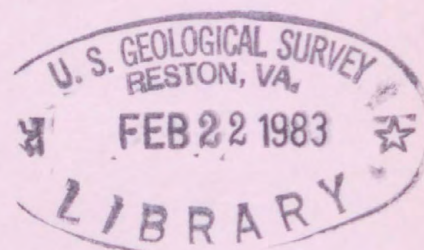


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Water Resources Data Mississippi Water Year 1981



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-81-1
Prepared in cooperation with the Mississippi Department of
Natural Resources and with other State, county, municipal,
and Federal agencies

CALENDAR FOR WATER YEAR 1981

1980

OCTOBER

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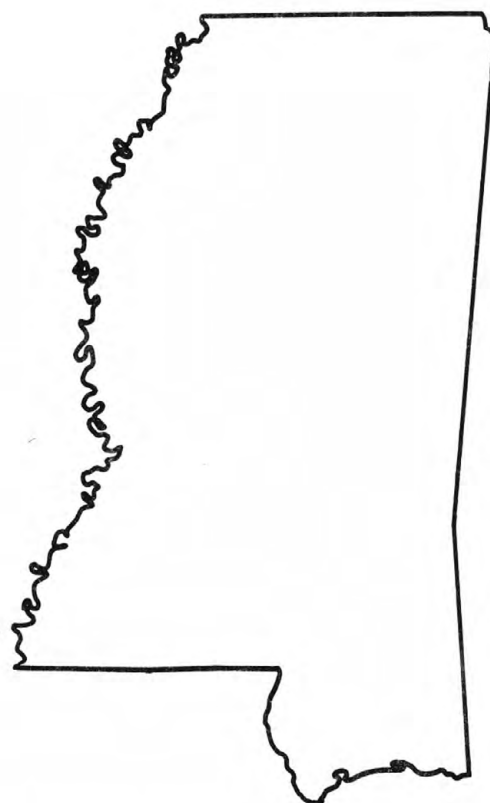
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Water Resources Data Mississippi Water Year 1981



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-81-1
Prepared in cooperation with the Mississippi Department of
Natural Resources and with other State, county, municipal,
and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

JAMES G. WATT, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For additional information write to:

District Chief, Water Resources Division
U.S. Geological Survey
100 W. Capitol Street, Suite 710
Jackson, Mississippi 39269

1982

PREFACE

This report was prepared by the U.S. Geological Survey in cooperation with the State of Mississippi and with other agencies, by personnel of the Mississippi District of the Water Resources Division under the supervision of Garald G. Parker, Jr., District Chief, and James L. Cook, Regional Hydrologist.

This report is one of a series issued State by State under the general direction of Philip Cohen, Chief Hydrologist, and Robert J. Dingman, Assistant Chief Hydrologist for Scientific Publications and Data Management.

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[Letter after station name designates type of data: (d) discharge, (c) chemical, (b) biological
(m) microbiological, (t) water temperature, (s) sediment, (g) gage height]

SOUTH ATLANTIC SLOPE AND EASTERN GULF OF MEXICO BASINS

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WATER RESOURCES DATA - MISSISSIPPI, WATER YEAR 1981

ERRATA

Page 24 02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS
The value of Sediment, Suspended, for April 16 should be 17, not 950.

Page 78 02473460 TALLAHALA CREEK AT WALDRUP, MS
EXTREMES FOR CURRENT YEAR--The maximum gage height, in feet, for
March 31 should be 18.75, not 187.5.

Page 98 The data is for 02479020 PASCAGOULA RIVER NEAR BENNDALE, MS,
not 02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS and should be
located between Pages 102 and 103.

INTRODUCTION

Water resources data for the 1981 water year for Mississippi consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground-water wells. This report contains records of water discharge at 82 gaging stations; stage records for 18 of these gaging stations; stage only at 4 gaging stations; contents for 4 lakes; water quality for 33 gaging stations, and 123 wells; and water levels for 324 observation wells. Also included are peak-discharge data for 91 crest-stage partial-record stations and water quality data at 18 partial record or miscellaneous sites. Locations of these sites are shown on Figures 3-5. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Mississippi.

Records of discharge and stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from the Branch of Distribution, U.S. Geological Survey, 604 South Pickett Street, Alexandria, Virginia 22304.

For water years 1961 through 1970, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1970 were similarly released either in separate reports or in conjunction with streamflow records.

Beginning with the 1971 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report MS-81-1." These water-data reports are for sale, in paper copy or in microfiche, by the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District Chief at the address given on the back of the title page or by telephone (601) 960-4600.

COOPERATION

The U.S. Geological Survey and organizations of the State of Mississippi have had cooperative agreements for the systematic collection of streamflow records since 1931, and for water-quality records since 1964. Organizations that assisted in the collection of data through cooperation with the Survey are:

Mississippi Department of Natural Resources, Charlie L. Blalock, Executive Director.	Pat Harrison Waterway District, Albert L. Gerrard, Jr., Executive Director.
Bureau of Land and Water Resources, Charles T. Branch, Director.	Pearl River Valley Water Supply District, Joe D. Brown, President.
Bureau of Pollution Control, Charles H. Chisolm, Director.	Harrison County Development Commission, Tommy Munro, President.
Bureau of Geology, Alvin R. Bicker, Director.	Jackson County Board of Supervisors, J.C. May, President.
Mississippi State Highway Department, John R. Tabb, Director.	Jackson County Port Authority, Paul Pella, Port Director.
Mississippi Research and Development Center, Dr. Jim W. Meredith, Director.	City of Jackson, Dale Danks, Jr., Mayor.

Assistance in the form of funds or services was given by the Corps of Engineers, Department of the Army, in collecting records for 50 gaging stations published in this report.

Assistance was also furnished by the National Weather Service, NOAA, U.S. Department of Commerce; the Soil Conservation Service, U.S. Department of Agriculture; and the Environmental Protection Agency.

ACKNOWLEDGMENT

Mississippi WRD District personnel who contributed significantly to the collection and preparation of the data in this report were: C. H. Tate, Chief, Hydrologic Records Section, assisted by E. J. Tharpe, G. A. Bednar, and W. T. Oakley, Project Chiefs. Other personnel active in data collection, computation, and publication include:

S. H. Bishop	P. E. Grantham	F. Morris, III	J. A. Powell
K. E. Burks	A. M. Hickman	B. P. Moss	D. J. Tomaszewski
J. P. Crout	J. W. Hudson	M. L. Plunkett	D. J. Washington
G. D. Firda	B. J. McCollum		

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow

Following two extremely wet years, a near-record-low annual runoff occurred in the 1981 water year. This low runoff is the result of the marked reduction in high flows during the year, but minimum daily flows were generally greater than the median low flows for the period of record.

Three stations are representative of the overall surface-water conditions in Mississippi during the 1981 water year (Figure 2): Tombigbee River at Columbus, which drains most of the northeast part of the State; Big Black River at Bovina, which drains the central part of the State; and Pascagoula River at Merrill, which drains the southeast part of the State.

The 1981 water year annual mean runoff of the Tombigbee River in the vicinity of Columbus was 10.25 in (260 mm). This compares to 27.52 in (699 mm) in 1979 and 34.77 in (883 mm) in 1980. The median annual runoff is 17.90 in (455 mm) for the base period 1941-70. The site of the discharge station was relocated beginning April 1, 1981. The new gage location is at the Columbus Lock and Dam, 4.1 mi (6.6 km) upstream from the former location. The discharge records are equivalent as there is only a 1.7 percent reduction in the drainage area. Only the monthly discharges in October, November, June, and September of the 1981 water year exceeded the 1941-70 median flows for those months. The average monthly flows for February-April totaled 21,440 ft³/s (607 m³/s) compared to the total for the 1941-70 median monthly flows for those three months of 37,000 ft³/s (1,050 m³/s). The extremely low runoff for January is partly due to filling the pool of the Columbus Lock and Dam. It is estimated that the storage amounted to 56,000 acre-ft (69.0 hm³/s), the equivalent of 0.24 in (6.1 mm) of runoff.

Overall, the pattern of runoff of the Pascagoula River at Merrill in 1981 was similar. A notable difference is that the flows for the months of February and April exceeded the 1941-70 median for those months by about 12 percent and 35 percent, respectively. The 1981 water year annual runoff of 13.34 in (339 mm) is 75 percent of normal, 17.79 in (452 mm). The 1979 and 1980 annual runoffs were 31.75 in (806 mm) and 40.04 in (1,017 mm), respectively.

The annual runoff of Big Black River near Bovina was 9.25 in (235 mm) in 1981 water year, compared to a 1941-70 median of 15.45 in (392 mm). The runoff in water years 1979 and 1980 was 29.72 in (755 mm) and 35.05 in (890 mm), respectively. April was the only winter/spring month that had greater than the 1941-70 monthly median flow, and that by about 5 percent. The totals of the monthly flows December-March was 7,831 ft³/s (222 m³/s), 47 percent of the sum of the 1941-70 monthly medians of 16,758 ft³/s (475 m³/s). The minimum 7-day average flow of 151 ft³/s (4.28 m³/s) for 1981 water year is 125 percent of the 2-year 7-day minimum flow based on the period 1937-67.

Streamflow Quality

Mississippi streams provide an abundant supply of water that normally is low in dissolved-solids content and is suitable for many purposes. For the most part, the surface waters are not extensively polluted with manmade wastes. Localized stream pollution occurs in some areas of agricultural chemical use, near large urban areas, and along the industrialized Gulf Coast; however, the areas in which degraded stream water quality is a problem are not extensive.

With the exception of the Mississippi River, where in the 1981 water year, measured dissolved-solids concentrations ranged from 199 to 305 mg/L, the dissolved-solids concentrations of most streams in Mississippi generally were less than 100 mg/L. Ranges of measured dissolved-solids concentrations (in mg/L) in selected streams are given in the following table:

	Minimum	Maximum
Pascagoula River near Benndale	41	63
Wolf River near Landon	23	53
Yazoo River at Redwood	66	134
Big Black River near Bovina	56	139
Homochitto River at Rosetta	53	73

In general, the dissolved-solids concentration of the water in the Yazoo River increased downstream from Shell Bluff to Redwood. The dissolved-solids concentration, as reflected by the specific conductance measurements along the main stem of Tombigbee River, generally increased downstream from Fulton to Columbus. The measured specific conductance of the water in Tombigbee River ranged from 60 to 158 micromhos/cm at Fulton and from 70 to 175 micromhos/cm at Columbus.

The suspended-sediment concentrations measured in streams in Mississippi ranged from less than 50 mg/L during periods of low flow to more than 1,000 mg/L during high flow. Concentrations of suspended sediment were generally higher in the western part, particularly in the Yazoo River basin in the Mississippi "Delta", than in the more heavily forested eastern part of the State. Lower maximum suspended-sediment concentrations were observed in the southeastern part of the State. The following table shows ranges of measured suspended-sediment concentrations (in mg/L) in selected streams.

	Minimum	Maximum
Pascagoula River near Benndale	22	245
Yazoo River at Shell Bluff	91	1,450
Yazoo River at Redwood	153	879
Big Black River at Bovina	67	1,210
Homochitto River near Rosetta	28	339

Dissolved-oxygen concentrations measured in streams were lowest during the summer months when stream temperatures were highest and flow velocities tend to be lowest. The dissolved-oxygen concentrations were generally greater than 5.0 mg/L. Ranges of measured dissolved-oxygen concentrations in mg/L in selected streams are shown in the following table:

	Minimum	Maximum
Tombigbee River near Columbus	7.6	12.4
Pascagoula River near Benndale	6.3	12.1
Wolf River near Landon	7.5	12.4
Yazoo River at Redwood	4.4	11.0
Big Black River near Bovina	6.5	11.8
Homochitto River at Rosetta	6.7	11.2

Determinations of pH at index stations indicate that the water of most streams was slightly acidic at times and that the pH of surface water generally was lowest in the southern part of the State. The pH of the water ranged from 6.7 to 8.3 units in the Yazoo River and from 6.6 to 8.3 units in the Tombigbee River. In the southern part of the State, the pH of the water in Wolf River near Landon and Pascagoula River near Benndale ranged from 5.8 to 6.9 units and 5.9 to 7.1 units, respectively.

Ground-Water Levels

Ground-water levels statewide continued long-term declining trends following seasonal water-level recoveries during the early part of the year.

Generally, in wells screened in the Graham Ferry Formation along the Gulf Coast and in the Miocene aquifers in southern Mississippi, water levels declined less than 2 ft (0.6 m). In the shallow Citronelle aquifer water levels declined at a number of sites more than 2 ft (0.6 m) to record lows.

In central Mississippi, water levels in wells used primarily for domestic purposes screened in the Vicksburg Group and Forest Hill Sand declined less than 2 ft (0.6 m). Water levels in the Cockfield Formation, Sparta Sand, and Meridian-upper Wilcox aquifer reflected declines of 0.5 to 2 ft (0.2 to 0.6 m). In the Jackson metropolitan area where large withdrawals were made, declines of 1 to 5 ft (0.3 to 1.5 m) were measured and record low water levels were reached at most stations.

In northeastern Mississippi, water levels in the Eutaw-McShan aquifer and Tuscaloosa aquifer system generally showed declines of about 2 ft (0.6 m). In the heavily pumped Tupelo area of Lee County, water levels declined in excess of 7 ft (2.1 m). Record low levels were observed in a number of wells.

The Sparta aquifer system, Winona-Tallahatta aquifer and the lower Wilcox aquifer in northwestern Mississippi showed very little change in water levels; however, many wells were affected by pumping and long-term declines continued.

Water levels in the Mississippi River valley alluvial aquifer declined about 2 to 3 ft (0.6 to 0.9 m) throughout most of northwestern Mississippi in the area commonly known as the "Delta". Declines in excess of 3 ft (0.9 m) were measured at some sites during the irrigation season. The alluvial aquifer is the principal source of irrigation water in the State.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting inch-pound units to International System of Units (SI) on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters.

Algae are mostly aquatic single-celled, colonial, or multicelled plants, containing chlorophyll and lacking roots, stems, and leaves.

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer, tapped by the well. A flowing artesian well is one in which the water level is above the land surface.

Bacteria are microscopic unicellular organisms, typically spherical, rod-like, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms which produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35°C ± 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal coliform bacteria are bacteria that are present in the intestine or feces of warm-blooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms which produce blue colonies within 24 hours when incubated at 44.5°C ± 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal bacteria are bacteria found also in the intestine of warmblooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C ± 1.0°C on M-enterococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Bed material is the unconsolidated material of which a streambed, lake, pond, reservoir, or estuary bottom is composed.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, used for the decomposition of organic matter by micro-organisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the weight per unit area or volume of habitat.

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m³), and periphyton and benthic organisms in grams per square meter (g/m²).

Dry mass refers to the mass of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry mass values are expressed in the same units as ash mass.

Organic mass or volatile mass of the living substance is the difference between the dry mass and the ash mass, and represents the actual mass of the living matter. The organic mass is expressed in the same units as for ash mass and dry mass.

Wet mass is the mass of living matter plus contained water.

Bottom material: See Bed material.

Cells/volume refers to the number of cells of any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

CFS-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.9835 acre-feet, about 646,000 gallons, or 2,447 cubic meters.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common green pigments in plants.

Color unit is produced by one milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (FT^3/S , ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment), that passes a given point within a given period of time.

Mean discharge (MEAN) is the arithmetic average of individual daily mean discharge during a specific period.

Instantaneous discharge is the discharge at a particular instant of time.

Dissolved is that material in a representative water sample which passes through a 0.45 μm membrane filter. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Dissolved oxygen (DO) The dissolved oxygen content of water in equilibrium with air is a function of atmospheric pressure, and temperature and dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved solids, with small temperature changes having the more significant effect. Photosynthesis and respiration may cause diurnal variations in dissolved-oxygen concentration in water from some streams.

Diversity index is a numerical expression of evenness of distribution of aquatic organisms. Diversity index values range from zero, when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate (CaCO_3).

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

Metamorphic stage refers to the stage of development that an organism exhibits during its transformation from an immature form to an adult form. This developmental process exists for most insects, and the degree of difference from the immature stage to the adult form varies from relatively slight to pronounced, with many intermediates. Examples of metamorphic stages of insects are egg-larva-adult or egg-nymph-adult.

Micrograms per gram ($\mu\text{g/g}$) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per liter ($\mu\text{g/L}$, $\mu\text{g/L}$) is a unit expressing the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter.

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represent the mass of solute per unit volume (liter) of water. Concentration of suspended sediment also is expressed in mg/L, and is based on the mass of sediment per liter of water-sediment mixture.

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meters (m^2), acres, or hectares. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliters (mL) or liters (L). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Percent composition is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, mass, or volume.

Pesticides are chemical compounds used to control undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides. Insecticides and herbicides, which control insects and plants respectively, are the two categories reported.

Picocurie (PC, pCi) is one trillionth (1×10^{12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells/mL of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells/mL of sample.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers.

Polychlorinated biphenyls (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Recoverable from bottom material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Runoff in inches (IN, in) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge times mg/L times 0.0027.

Suspended-sediment load is a quantity of suspended sediment passing a section in a specified period.

Total sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry weight or volume, that passes a section during a given time.

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions with soil and is an index of sodium or alkali hazard to the soil. This ratio should be known especially for water used for irrigating farmland.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimeter at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream and it may even vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height (stage) and volume of water per unit of time, flowing in a channel.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff" as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lived.

Natural substrates refers to any naturally occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lived.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplifies the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multi-plate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection.

Surface area of a lake is that area outlined on the latest U.S.G.S. topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

Surficial bed material is that part (0.1 to 0.2 ft) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45 um membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45 um membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined.

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchical scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, Hexagenia limbata is the following:

Kingdom.....Animal
Phylum.....Arthropoda
Class.....Insecta
Order.....Ephemeroptera
Family.....Ephemeridae
Genus.....Hexagenia
Species.....Hexagenia limbata

Classification levels in this report will be indicated by a series of dots or absence of them. The preceding classification would appear as follows:

ARTHROPODIA
.INSECTA
..EPHEMEROPTERA
...EPHEMERIDAE
....HEXAGENIA

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the presence of a thermograph or a digital mechanism that automatically records water temperatures on paper tape.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 0.00136.

Tons per day is the quantity of substance in solution or suspension that passes a stream section during a 24-hour day.

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total". (Note that the work "total" does double duty here, indicating that the sample consists of a water-suspended sediment mixture and that the analytical method determines all of the constituent in the sample.)

Total, in bottom material, is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined.

Total load (tons) is the total quantity of any individual constituent, as measured by dry mass or volume, that is dissolved in a specific amount of water (discharge) during a given time. It is computed by multiplying the total discharge, times the mg/L of the constituent, times the factor 0.0027, times the number of days.

Total, recoverable, is the amount of a given constituents that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample.

Turbidity of water is the reduction of transparency due to the presence of suspended particulate matter. The unit of measure is the nephelometric turbidity unit (NTU) and is a measure of light scatter of a beam of light passed through a sample of water.

Weighted average is used in this report to indicate discharge-weighted average values computed by multiplying the discharge for a sampling period by the concentration of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

WRD is used as an abbreviation for "Water-Resources Data" in the REVISED RECORDS paragraph to refer to State annual basic-data reports published before 1975.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indentation in a list of stations in the front of the report. Each indentation represents one rank. This downstream order and system of indentation show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station such as 03041000, which appears just to the left of the station name, includes the 2-digit part number "03" plus the 6-digit downstream order number "041000".

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The 8-digit downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

The well and miscellaneous site numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) identify the wells or other sites within a 1-second grid. See figure 1 below.

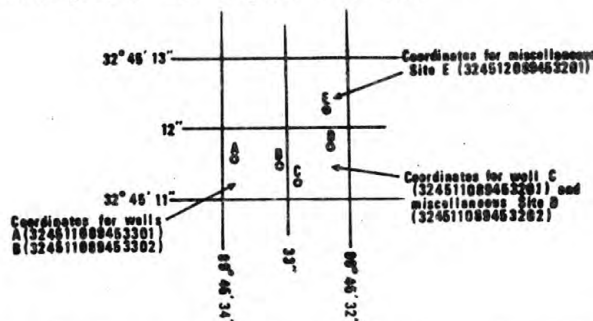


Figure 1.--System for numbering wells and miscellaneous sites (latitude and longitude)

SPECIAL NETWORK AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin. Station 02479155, Cypress Creek near Janice, has been designated as a Hydrologic bench-mark station.

National Stream-Quality Accounting Network (NASQAN) Stations are designed to meet many of the information demands of agencies or groups involved in planning and management on a national or regional scale. The objectives of the Accounting Network are to depict areal variability of water-quality conditions nationwide on a year-by-year basis and to detect and assess stream-quality changes over long terms. Stations 02479020, Pascagoula River near Benndale; 02481510, Wolf River near Landon; 07287120, Yazoo River near Shell Bluff; 07288800, Yazoo River at Redwood; 07289000, Mississippi River at Vicksburg; 07290000, Big Black River near Bovina; and 07292500, Homochitto River at Rosetta, have been designated as NASQAN stations.

National Water-Quality Surveillance System (NWQSS) Stations are located to bracket major population and industrial centers for the purpose of determining the degree of water-quality degradation and the effectiveness of areawide abatement actions. Stations 07287500, Yazoo River at Yazoo City, and Station 07288800, Yazoo River at Redwood, have been designated as NWQSS stations.

Pesticide program is a network of regularly sampled water-quality stations where additional monthly samples are collected to determine the concentration and distribution of pesticides in streams whose waters are used for irrigation or in streams in areas where potential contamination could result from the application of the commonly used insecticides and herbicides.

Radiochemical program is a network of regularly sampled water-quality stations where additional samples are collected twice a year (at high and low flow) to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of the gage-height record and occasional winter discharge measurements. Consideration is given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with stations in the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the current water year is shown on the reverse side of the front cover to facilitate finding the day of the week for any date.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the drainage area are obtained from most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge were revised, that fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

The type of gage currently in use; the datum of the present gage referred to National Geodetic Vertical Datum; and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS" on page 4.

Information pertaining to the accuracy of the discharge records and to conditions which affect the natural flow of the gaging station is given under "REMARKS." For reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir is given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations peak discharges are listed with EXTREMES FOR THE CURRENT YEAR; if they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed "AC-F"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches. In the yearly summary below the monthly summary, the figures shown are the appropriate daily discharges for the calendar and water years.

Footnotes to the table of daily discharges are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

For gaging stations on lakes and reservoirs the data presented comprise a description of the station and a table showing daily contents. A skeleton table of capacity at given stages is published for all reservoirs.

Data collected at partial-record stations follow the information for continuous record sites. Data for partial-record discharge stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. Occasionally, a series of discharge measurements are made within a short time period to investigate the seepage gains or losses along a reach of a stream or to determine the low-flow characteristics of an area. Such measurements are also given in special tables following the tables of partial-record stations.

Accuracy of field data and computed results

The accuracy of discharge data depends primarily on (1) the stability of the stage-discharge relation, or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges is within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft³/s; to tenths between 1.0 and 10 ft³/s to whole numbers between 10 and 1,000 ft³/s; to 3 significant figures between 1,000 and 1,000,000 ft³/s and to 4 significant figures above 1,000,000 ft³/s. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other data available

Information of a more detailed nature than that published for most of the gaging stations, such as discharge measurements, gage-height records, and rating tables, is on file in the district office. Also most gaging station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

Records of discharge collected by agencies other than the Geological Survey

Records of discharge not published by the Geological Survey were collected in Mississippi at 6 sites during the water year by the following agencies: Records of daily discharge were collected at 5 sites by the Agricultural Research Service, U.S. Department of Agriculture; and at 1 site by the Corps of Engineers, U.S. Army. In addition, records of stage, with periodic discharge observations, were also collected by the Corps of Engineers at approximately 40 additional sites. Information on specific sites can be obtained from the district office of the U.S. Geological Survey at the address given on page II of this report.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and examination of data

Surface water samples for analyses usually are collected at or near gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives the period of record for all water-quality data; the period of daily record for parameters that are measured on a daily basis (specific conductance, pH, dissolved oxygen, water temperature, sediment discharge, etc.); extremes for the period of daily record; extremes for the current year; and general remarks.

For ground-water records, no descriptive statements are given; however, the well number, depth of well, date of sampling and/or other pertinent data are given in the table containing the chemical analysis of the ground water.

Numerical codes have been assigned for agencies collecting and/or analyzing samples. A numerical code will not be given in a water-quality table when the collecting and analyzing agency is the U.S. Geological Survey. The agency codes that may be given in this report are as follows:

810 Corps of Engineers, U.S. Army	28002 Mississippi Bureau of Geology
1028 U.S. Geological Survey	80010 U.S. Geological Survey, National Water-
1053 National Park Service	Quality Laboratory, Doraville, Georgia
9728 Mississippi State Board of Health	80020 U.S. Geological Survey, National Water-
28001 Mississippi Bureau of Pollution Control	Quality Laboratory, Denver, Colorado

Water analysis

Most methods for collection and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on a following page.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory. Some bacterial values are preceded by the symbol "K." The symbol "K" replaces the symbol "B" used in data reports prior to 1978. The symbol denotes that the value given is based on a colony count outside the acceptable range (nonideal colony count).

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the district office.

Water temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements at selected water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diel temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where recording instruments are used, either mean temperatures or maximum and minimum temperatures for each day are published.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided day method. For periods when no samples were collected, daily loads of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included.

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the data

Only ground-water level data from a basic national network of observation wells are published herein. These water-level measurements are intended to provide a sampling and historical record of water-level changes in the nation's most important aquifers.

Each well is identified by means of (1) a 15-digit number that is based on the grid system of latitude and longitude, and (2) a local number that is provided for local needs. See figure 1.

Measurements are made in many types of wells, under varying conditions of access and at different temperatures, hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will ensure that measurements at each well are consistent.

Water-level measurements in this report are given in feet with reference to land-surface datum (lsd). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above mean sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error of determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water, the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-four manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 1200 South Eads Street, Arlington, VA 22202 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations".

- 1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
- 1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
- 2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
- 3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
- 3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
- 3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
- 3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
- 4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
- 4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
- 4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.
- 5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
- 5-A3. *Methods for analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, edited by P. E. Greens, T. A. Ehlike, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.
- 5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
- 5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
- 7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
- 7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
- 8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

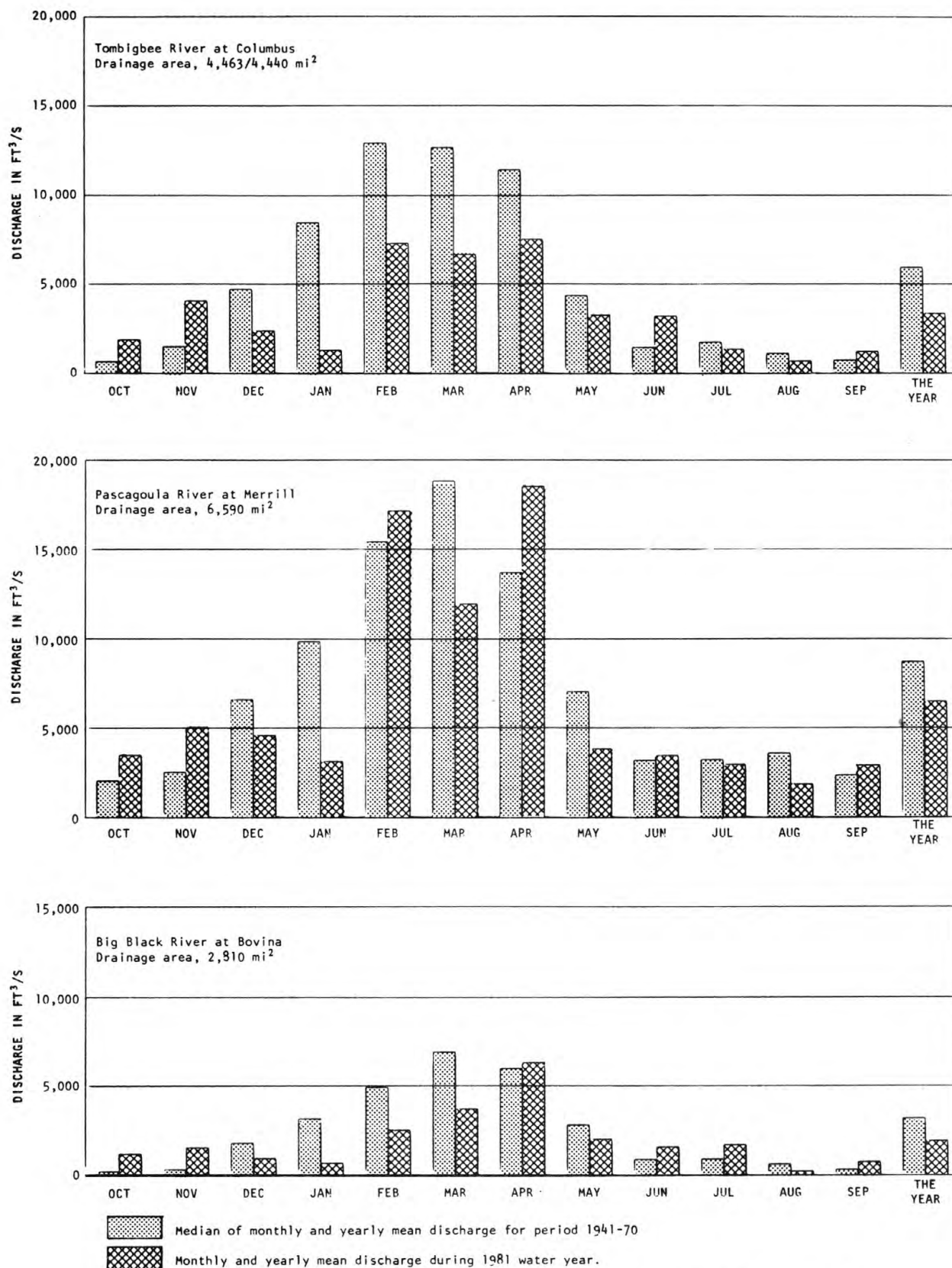


FIGURE 2.--Discharge during 1981 water year compared with median discharge for period 1941-70 for three representative gaging stations.

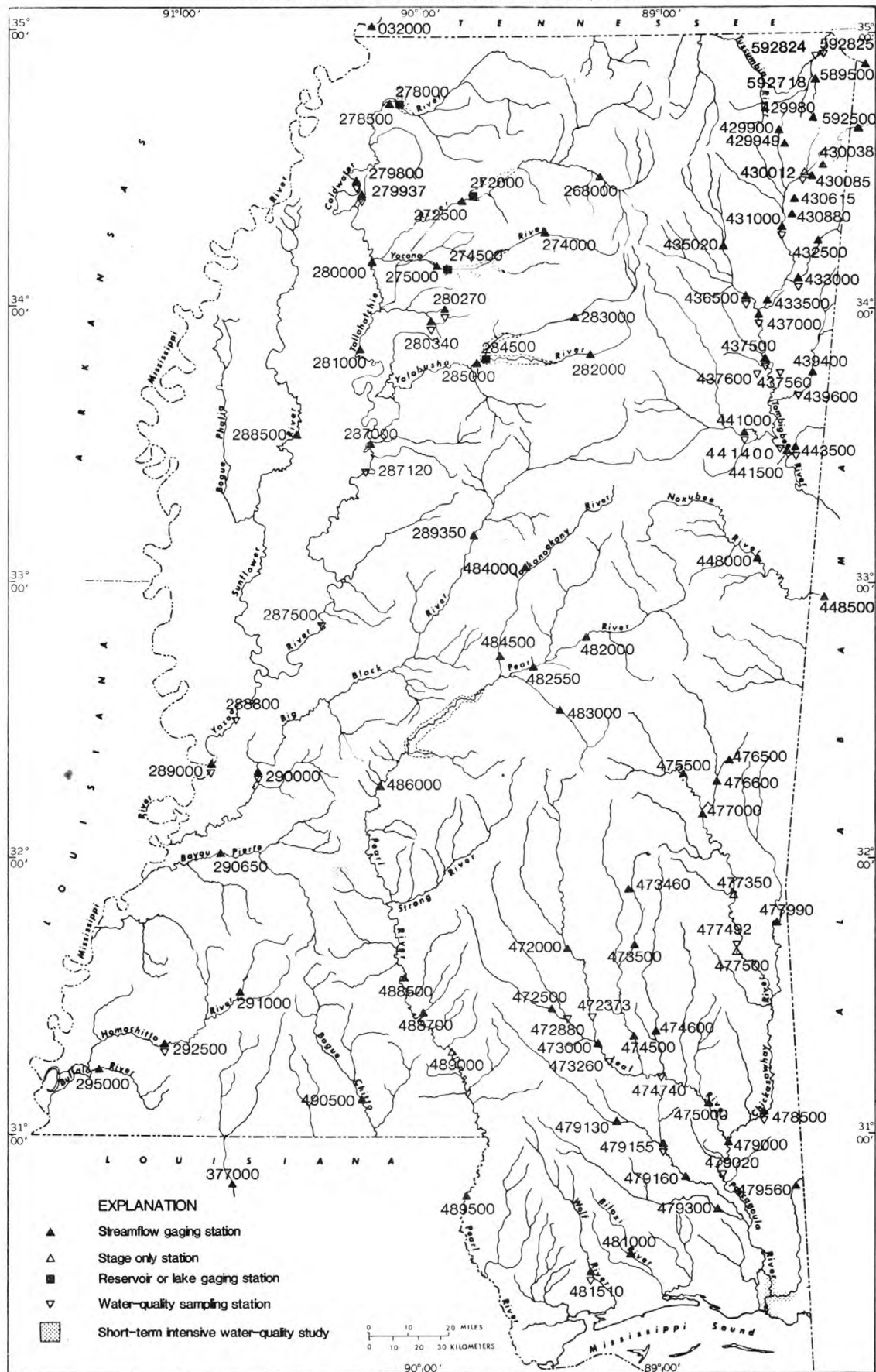
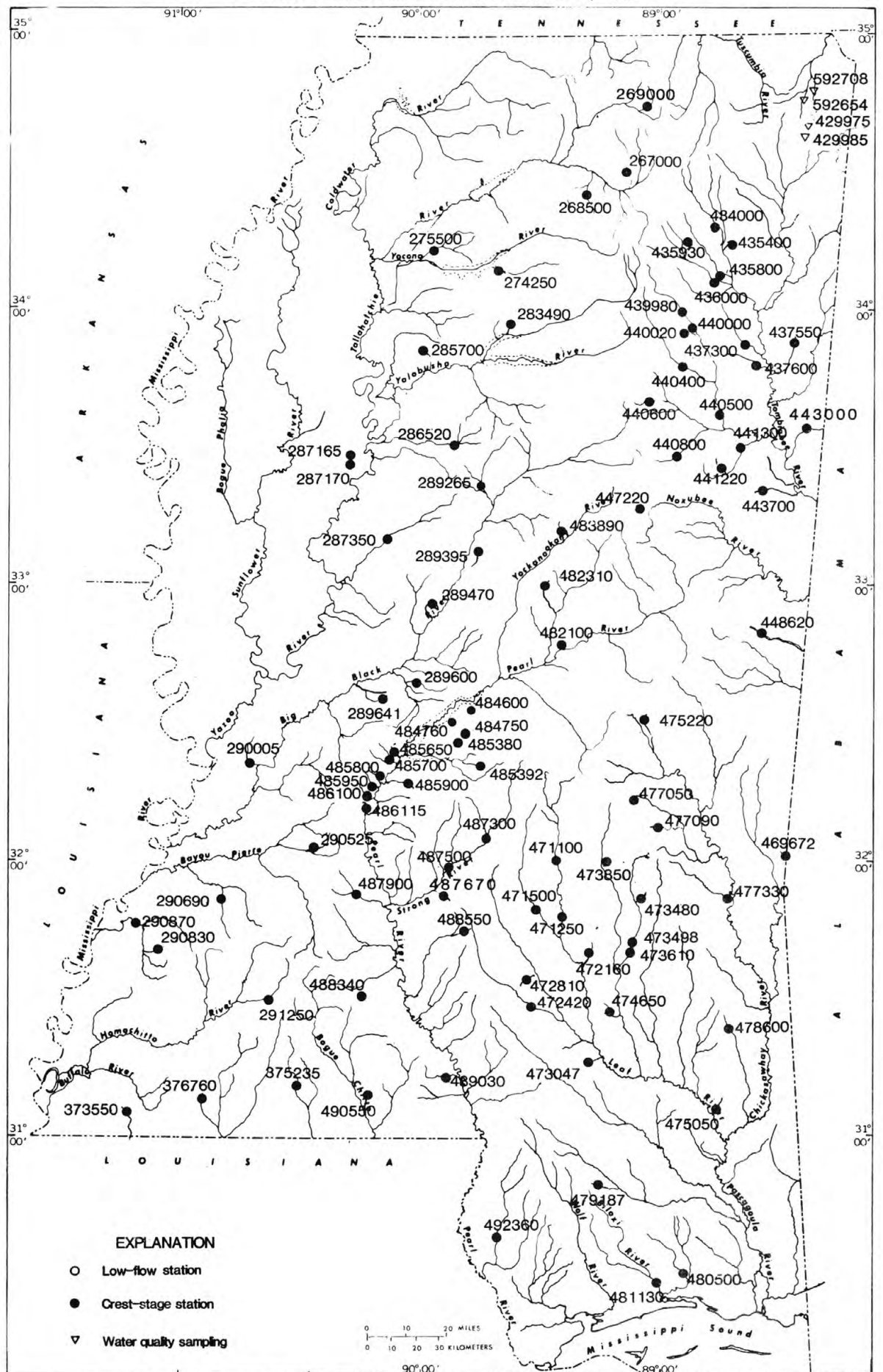


Figure 3.--Location of hydrologic-data stations.



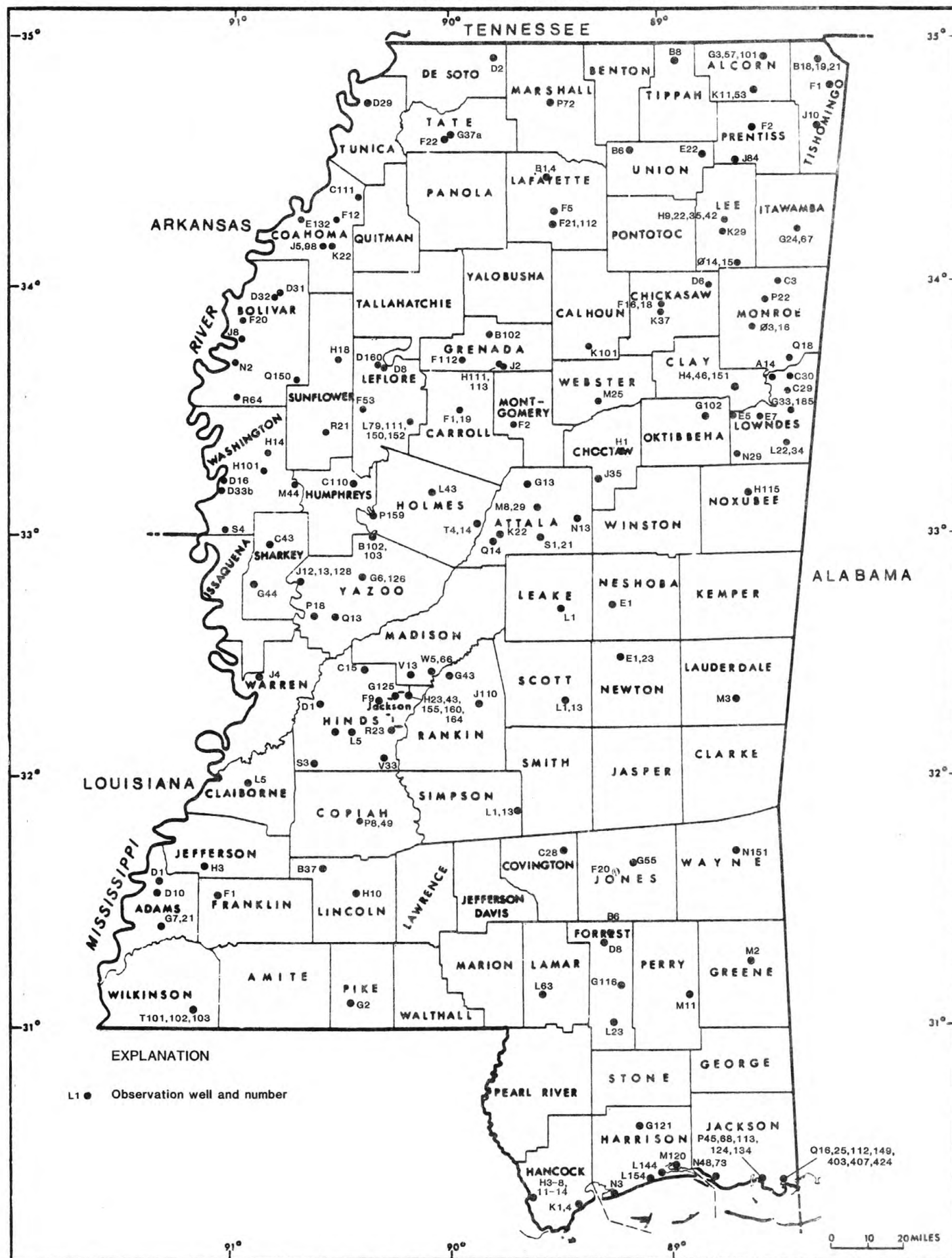


Figure 5.—Location of observation wells in Mississippi.

HYDROLOGIC-DATA STATION RECORDS

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EASTERN GULF OF MEXICO BASINS

MOBILE RIVER BASIN

02429900 BIG BROWN CREEK NEAR BOONEVILLE, MS

LOCATION.--Lat 34°37'07", long 83°26'42", SW¼NE¼ sec.27, T.5. S., R.8 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160101, on left bank, near downstream side of bridge on county highway, 0.4 mi (0.6 km) downstream from State Highway 30, 2.0 mi (3.2 km) upstream from Martin Creek, and 7.3 mi (11.8 km) east of Booneville.

DRAINAGE AREA.--27.1 mi² (70.2 km²).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1952-56, 58-60, 72; annual maximum stages, water years 1953-60, and annual maximum discharge, water years 1961-73. June 1973 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 326.56 ft or 99.535 m (corrected) National Geodetic Vertical Datum of 1929 (Tennessee Valley Authority bench mark). Prior to June 1973, crest-stage gage at site 0.4 mi (0.6 km) upstream at different datum.

REMARKS.--Records fair except those for periods of doubtful or no gage-height record, Dec. 13 to Feb. 19, Aug. 9 to Sept. 2, which are poor. Doubtful or no gage height record Dec. 13 to Feb. 19 and Aug. 9 to Sept. 2.

AVERAGE DISCHARGE.--8 years, 52.7 ft³/s (1.492 m³/s), 26.41 in/yr (671 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,900 ft³/s (110 m³/s) Apr. 17, 1970, gage height, 99.97 ft (30.471 m), site and datum then in use; minimum, 0.16 ft³/s (0.005 m³/s) Sept. 2, 3, 4, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum recorded discharge, 833 ft³/s (23.6 m³/s) June 3, gage height 13.84 ft (4.218 m), no peak above base of 1,600 ft³/s (45.3 m³/s); minimum discharge, 0.46 ft³/s (0.013 m³/s), Sept. 25, 26, gage height, 3.37 ft (1.027 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	2.1	10	7.0	250	45	43	10	30	1.8	.73	1.5
2	2.3	2.1	9.4	6.8	150	39	35	8.2	49	3.4	.91	7.8
3	1.3	1.8	8.0	6.6	60	34	31	7.3	147	2.2	1.0	10
4	1.2	2.2	8.0	6.4	40	158	35	6.3	122	1.6	.73	5.4
5	1.1	2.2	8.0	6.2	30	85	43	5.3	38	29	3.2	2.6
6	1.0	2.4	7.8	7.0	27	44	30	6.0	32	17	6.9	1.5
7	1.1	2.4	7.8	13	26	39	28	6.0	47	6.0	1.2	.90
8	1.2	2.5	7.3	9.0	31	31	25	6.1	31	3.0	1.0	.80
9	.98	3.0	11	7.0	25	29	40	6.0	22	2.2	.80	.70
10	.91	2.7	9.9	6.0	90	29	33	31	16	1.5	1.0	.64
11	.73	2.6	7.8	5.0	45	26	27	18	25	1.4	.80	.85
12	.63	2.5	7.5	7.0	30	25	24	11	37	1.2	.70	.79
13	.73	2.5	8.0	6.2	26	24	22	7.8	21	.98	.66	.79
14	.68	8.0	7.8	5.6	24	22	20	7.1	14	.91	.64	.63
15	.68	6.5	7.6	5.4	26	24	17	6.5	9.9	.85	.62	1.0
16	.63	6.0	7.5	5.2	60	32	16	5.3	7.9	.73	.60	1.6
17	.73	185	7.4	5.0	120	25	17	83	6.7	.68	.58	1.4
18	1.5	40	7.3	5.0	50	40	15	39	6.0	.73	.58	.85
19	1.6	14	7.2	4.9	35	30	14	24	6.0	.68	1.5	.79
20	.68	11	7.1	10	29	22	17	15	9.1	.73	5.0	.54
21	.68	8.9	7.1	25	28	20	17	12	6.1	6.0	2.0	1.6
22	.63	7.9	7.0	10	32	55	14	9.1	4.7	2.4	1.5	.79
23	.68	9.5	7.0	8.0	25	38	28	7.6	3.7	1.2	1.0	.79
24	.85	9.7	14	7.0	24	29	23	6.4	3.2	1.5	.90	.46
25	1.8	7.6	10	6.5	24	26	15	29	2.6	2.8	.80	.42
26	1.5	10	9.0	6.0	28	24	13	123	2.5	1.8	.70	.42
27	23	59	8.5	20	31	22	11	63	2.2	1.2	.70	.73
28	24	20	8.0	10	33	21	9.4	30	1.8	.91	.72	1.9
29	4.7	13	7.6	8.0	---	24	17	21	1.8	1.1	.80	3.6
30	2.5	11	7.4	7.0	---	129	14	15	1.3	2.1	1.1	5.0
31	2.1	---	7.1	6.0	---	45	---	15	---	.91	.90	---
TOTAL	86.02	458.1	255.1	247.8	1399	1236	693.4	640.0	706.5	98.51	40.27	56.79
MEAN	2.77	15.3	8.23	7.99	50.0	39.9	23.1	20.6	23.6	3.18	1.30	1.89
MAX	24	185	14	25	250	158	43	123	147	29	6.9	10
MIN	.63	1.8	7.0	4.9	24	20	9.4	5.3	1.3	.68	.58	.42
CFSM	.10	.57	.30	.30	1.85	1.47	.85	.76	.87	.12	.05	.07
IN.	.12	.63	.35	.34	1.92	1.70	.95	.88	.97	.14	.06	.08
CAL YR 1980 TOTAL	17395.05			47.5	1520		.50	1.75	23.88			
WTR YR 1981 TOTAL	5917.49			16.2	250		.42	.60	8.12			

LOCATION.--Lat 34°39'10", long 88°15'00", in SE¼ sec.9, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, on left bank 30 ft (9.1 m) upstream from culvert on State Highway 30, 0.8 mi (1.3 km) east of Paden.

AVERAGE DISCHARGE.--9 years, 7.30 ft³/s (0.207 m³/s), 49.32 in/yr (1,253 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 445 ft³/s (12.6 m³/s) Mar. 16, 1973, gage height, 5.65 ft (1.722 m), from rating extended above 20 ft³/s (0.57 m³/s) on basis of computation of peak flow through culvert; minimum, 1.1 ft³/s (0.031 m³/s) July 7, 1980; minimum gage height, 2.36 ft (0.719 m) Oct. 24-27, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 80 ft³/s (2.27 m³/s) Feb. 1, gage height, 3.17 ft (0.966 m) from rating curve extended above 20 ft³/s (0.57 m³/s) on basis of computation of peak flow through culvert; minimum, 1.1 ft³/s (0.031 m³/s) July 7, gage height, 2.44 ft (0.744 m).

DAY	CCT	NCV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	3.4	4.2	3.4	3.8	4.2	5.5	3.1	3.4	2.6	3.4	2.7
2	3.8	3.4	4.2	3.4	11	3.8	4.2	3.4	3.4	3.1	2.9	2.7
3	3.4	3.0	4.2	3.4	5.5	3.8	3.8	3.4	3.8	2.3	3.4	8.0
4	3.8	3.0	4.2	3.4	4.6	17	5.0	3.4	3.4	2.3	2.3	5.0
5	3.8	4.0	4.6	3.4	4.2	6.6	4.6	3.8	3.1	13	2.6	4.0
6	3.8	3.4	4.6	4.6	4.2	5.5	3.8	4.2	3.8	7.2	2.6	3.5
7	3.8	3.4	4.6	4.2	4.2	4.6	4.2	3.8	7.8	1.8	2.9	3.0
8	3.8	3.0	4.6	3.4	5.0	4.2	3.8	3.4	3.4	2.3	2.9	2.7
9	3.8	3.0	6.6	3.1	4.2	4.2	6.6	3.4	2.9	2.3	2.9	2.7
10	3.8	3.0	4.6	3.4	9.1	4.2	4.6	4.6	2.9	2.3	2.9	2.7
11	3.8	3.8	4.2	3.1	5.5	3.8	3.8	3.8	3.1	2.3	3.1	2.7
12	3.8	3.4	4.2	3.1	4.6	3.8	3.8	3.8	2.9	2.0	3.1	2.7
13	3.8	3.0	3.8	3.1	4.2	4.2	3.8	3.4	2.6	2.0	3.1	2.7
14	4.2	11	3.8	3.4	3.8	3.8	3.4	3.8	2.6	2.0	3.1	2.7
15	3.4	8.4	4.2	3.4	4.2	4.6	3.4	3.4	2.3	2.0	2.9	2.7
16	2.9	6.6	3.8	3.1	6.6	4.6	3.4	3.4	2.6	2.0	2.9	4.0
17	3.1	40	3.8	3.1	5.5	4.2	3.8	9.8	2.3	2.9	3.1	3.4
18	3.4	11	3.8	3.1	5.5	6.0	3.4	5.5	2.3	2.6	4.2	2.9
19	3.1	7.2	3.8	3.1	5.5	5.0	3.4	4.6	2.9	2.0	3.4	2.9
20	3.1	4.6	3.4	6.0	4.6	4.6	5.0	4.2	2.9	1.8	3.0	2.9
21	3.1	4.6	4.2	4.6	4.2	4.6	4.2	3.8	2.3	6.0	10	2.9
22	3.1	4.6	4.2	3.8	4.6	9.1	3.4	3.8	2.3	2.3	6.0	2.9
23	3.1	5.5	4.2	3.4	4.2	5.0	6.6	3.4	2.0	2.3	4.0	2.6
24	3.8	4.6	4.2	3.4	4.2	4.6	4.2	3.8	2.0	2.6	3.4	2.3
25	3.4	4.2	3.4	3.8	4.2	4.2	3.8	14	2.6	3.4	3.2	2.3
26	3.1	6.0	3.4	3.1	3.8	4.2	3.4	9.1	2.6	2.6	3.0	2.6
27	9.8	11	3.4	3.4	3.8	4.2	3.4	5.5	1.8	2.3	2.7	2.6
28	5.0	5.5	3.4	3.4	3.8	4.2	3.1	3.8	1.8	2.3	2.7	2.6
29	3.8	4.6	3.4	3.4	---	9.1	3.4	3.1	2.0	2.6	2.7	2.6
30	3.4	4.6	3.4	2.9	---	15	3.1	3.1	2.0	2.9	3.4	2.9
31	3.4	---	3.4	2.9	---	4.6	---	3.8	---	5.0	3.0	---
TOTAL	117.2	186.8	125.8	108.3	172.8	171.5	121.9	139.4	85.8	95.1	104.8	92.9
MEAN	3.78	6.23	4.06	3.49	6.17	5.53	4.06	4.50	2.86	3.07	3.38	3.10
MAX	9.8	40	6.6	6.0	38	17	6.6	14	7.8	13	10	8.0
MIN	2.9	3.0	3.4	2.9	3.8	3.8	3.1	3.1	1.8	1.8	2.3	2.3
CFSM	1.88	3.10	2.02	1.74	3.07	2.75	2.02	2.24	1.42	1.53	1.68	1.54
IN.	2.17	3.46	2.33	2.00	3.20	3.17	2.25	2.58	1.59	1.76	1.94	1

MOBILE RIVER BASIN

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS

LOCATION.--Lat 34°30'44", long 88°19'34", in SW¼ sec.35, T.6 S., R.9 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, on left bank, 1.1 mi (1.8 km) downstream from bridge on State Highway 4, and 0.7 mi (1.1 km) downstream from Bay Springs Lock and Dam (under construction).

DRAINAGE AREA.--68.2 mi (177 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1979 to September 1980 (low-water records only). Daily mean gage heights published since November 1979.

GAGE.--Water-stage recorder. Datum of gage is 330.00 ft (100.584 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good. Discharges for stages above 5.0 ft (1.52 m) not determined. Variable regulation due to construction of Bay Springs Lock and Dam 0.7 mi (1.1 km) upstream.

EXTREMES FOR CURRENT PERIOD.--November 1979 to September 1980: Maximum gage height 12.06 ft (3.676 m) Mar. 21; minimum daily discharge, 33 ft³/s (1.78 m³/s) Sept. 16.

Water Year 1981: Maximum gage height, 5.51 ft (1.679 m) Nov. 19; minimum daily discharge, 8.0 ft³/s (0.227 m³/s) Sept. 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		152	145	137	158	107	---	152	88	95	61	44
2		132	131	124	128	117	291	149	83	72	58	41
3		101	122	120	123	112	204	131	78	62	63	39
4		89	116	206	122	114	191	119	75	59	98	39
5		82	111	170	117	188	164	118	75	57	81	38
6		75	115	135	119	160	156	117	72	55	70	42
7		72	122	136	112	329	150	111	70	52	62	39
8		72	117	143	117	---	154	118	67	50	57	38
9		156	110	122	289	---	164	113	66	51	53	37
10		---	114	113	256	267	142	106	63	55	52	36
11		---	105	168	172	177	139	101	62	52	51	34
12		171	126	217	143	274	---	102	59	48	49	34
13		132	320	156	131	317	---	102	58	44	51	34
14		113	323	135	122	194	---	98	61	43	50	35
15		100	185	123	123	149	---	94	68	42	51	34
16		96	146	121	152	199	---	147	78	39	51	33
17		92	127	187	131	---	329	---	77	38	48	36
18		86	110	303	119	---	339	---	78	38	47	43
19		85	105	307	119	---	328	---	76	37	45	38
20		83	100	192	149	---	216	---	75	37	43	38
21		86	98	152	138	---	179	227	75	39	41	39
22		105	99	262	126	---	159	205	71	100	40	41
23		---	207	---	114	---	146	---	71	---	38	40
24		---	---	254	108	---	137	207	86	---	38	45
25		---	---	186	104	---	149	155	97	117	39	63
26		---	---	157	97	---	---	132	79	146	38	67
27		---	241	146	95	---	235	115	68	119	36	51
28		---	177	131	97	---	175	104	63	117	36	75
29		241	153	122	100	---	233	100	62	89	61	139
30		170	165	139	---	---	186	99	130	74	59	146
31		---	151	241	---	---	---	92	---	66	49	---
TOTAL	---	---	---	---	3881	---	---	---	2231	---	1616	1458
MEAN	---	---	---	---	134	---	---	---	74.4	---	52.1	48.6
MAX	---	---	---	---	289	---	---	---	130	---	98	146
MIN	---	---	---	---	95	---	---	---	58	---	36	33
CFSM	---	---	---	---	1.97	---	---	---	1.09	---	.76	.71
IN.	---	---	---	---	2.12	---	---	---	1.22	---	.88	.80

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	62	84	64	153	80	156	68	68	33	36	51
2	70	60	81	62	342	79	121	54	62	47	36	50
3	57	60	77	62	---	71	100	50	77	44	32	56
4	51	60	73	62	340	118	97	50	96	38	32	58
5	50	58	73	65	231	245	119	49	71	56	30	48
6	47	57	74	65	111	160	97	54	63	129	35	38
7	47	59	74	93	101	107	84	56	72	83	40	38
8	47	60	74	79	100	92	78	51	75	55	36	33
9	46	62	87	70	95	85	92	50	61	45	34	28
10	45	64	100	66	112	80	110	54	51	40	31	26
11	45	63	83	62	155	77	92	60	54	46	31	27
12	43	59	74	60	110	73	84	53	64	44	209	24
13	42	58	69	56	92	71	83	50	54	37	134	24
14	44	87	70	65	89	71	71	47	47	36	59	26
15	44	172	69	67	89	71	68	47	42	32	45	28
16	45	115	70	63	96	86	69	46	40	32	32	32
17	47	220	68	59	137	78	69	83	40	30	28	29
18	61	---	67	58	121	85	68	110	39	35	27	28
19	61	271	65	60	105	96	70	79	36	38	30	10
20	53	109	64	76	97	81	83	61	44	34	35	8.0
21	50	92	62	131	89	75	98	52	44	38	49	21
22	49	85	64	102	87	114	77	48	37	51	46	22
23	51	91	66	84	82	124	83	44	35	40	42	26
24	55	98	78	74	78	97	100	44	34	34	34	25
25	78	85	78	75	72	82	78	74	32	33	32	23
26	64	86	70	67	71	76	68	140	34	33	31	29
27	83	200	68	69	70	74	61	132	32	37	28	35
28	251	150	67	69	73	74	58	97	29	36	28	35
29	135	107	66	65	---	76	57	67	32	34	28	29
30	81	90	65	63	---	320	70	55	31	30	29	29
31	66	---	63	64	---	207	---	52	---	34	48	---
TOTAL	2009	---	2243	2177	---	3225	2561	1977	1496	1334	1367	936.0
MEAN	64.8	---	72.4	70.2	---	104	85.4	63.8	49.9	43.0	44.1	31.2
MAX	251	---	100	131	---	320	156	140	96	129	209	58
MIN	42	---	62	56	---	71	57	44	29	30	27	8.0
CFSM	.95	---	1.06	1.03	---	1.53	1.25	.94	.73	.63	.65	.46
IN.	1.10	---	1.22	1.19	---	1.76	1.40	1.08	.82	.73	.75	.51

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.34	1.68	2.10	1.72	3.24	2.03	3.29	1.91	2.01	1.25	1.37	1.97
2	1.84	1.64	2.04	1.68	4.94	2.02	2.80	1.61	1.87	1.61	1.37	1.94
3	1.58	1.63	1.97	1.67	5.14	1.86	2.43	1.52	2.21	1.54	1.28	2.09
4	1.45	1.63	1.90	1.67	4.93	2.71	2.37	1.53	2.57	1.39	1.27	2.13
5	1.42	1.60	1.89	1.73	4.06	4.18	2.77	1.51	2.08	1.79	1.23	1.90
6	1.37	1.57	1.91	1.74	2.59	3.32	2.39	1.63	1.91	3.20	1.35	1.62
7	1.36	1.61	1.92	2.28	2.41	2.53	2.14	1.66	2.10	2.39	1.47	1.63
8	1.36	1.64	1.91	2.02	2.40	2.25	2.03	1.56	2.17	1.79	1.39	1.48
9	1.35	1.67	2.15	1.84	2.31	2.13	2.30	1.54	1.87	1.57	1.34	1.36
10	1.33	1.71	2.39	1.76	2.61	2.03	2.64	1.64	1.65	1.46	1.27	1.29
11	1.33	1.69	2.08	1.68	3.26	1.97	2.31	1.77	1.72	1.60	1.27	1.30
12	1.27	1.62	1.90	1.64	2.58	1.89	2.16	1.63	1.95	1.54	4.30	1.23
13	1.25	1.60	1.82	1.56	2.25	1.86	2.15	1.55	1.73	1.37	3.50	1.23
14	1.29	2.17	1.84	1.73	2.20	1.86	1.91	1.50	1.57	1.34	2.16	1.29
15	1.30	3.47	1.82	1.77	2.19	1.86	1.86	1.50	1.47	1.24	1.81	1.36
16	1.33	2.66	1.83	1.70	2.33	2.15	1.89	1.47	1.41	1.23	1.45	1.46
17	1.36	3.96	1.80	1.62	3.02	2.00	1.89	2.26	1.41	1.20	1.36	1.39
18	1.66	5.45	1.78	1.59	2.76	2.11	1.86	2.78	1.38	1.34	1.30	1.36
19	1.65	4.40	1.74	1.64	2.49	2.33	1.90	2.20	1.32	1.41	1.41	.71
20	1.50	2.55	1.71	1.94	2.35	2.05	2.16	1.81	1.52	1.29	1.54	.61
21	1.42	2.25	1.68	2.93	2.20	1.93	2.45	1.63	1.51	1.41	1.91	1.13
22	1.40	2.13	1.72	2.44	2.16	2.65	2.06	1.53	1.36	1.74	1.83	1.17
23	1.44	2.23	1.75	2.09	2.06	2.82	2.16	1.46	1.29	1.47	1.75	1.28
24	1.53	2.37	1.99	1.91	2.00	2.34	2.49	1.45	1.27	1.32	1.52	1.25
25	1.99	2.13	2.00	1.94	1.88	2.07	2.09	2.11	1.23	1.29	1.45	1.19
26	1.72	2.15	1.83	1.78	1.86	1.96	1.88	3.27	1.28	1.29	1.44	1.39
27	2.09	3.76	1.80	1.81	1.84	1.92	1.75	3.16	1.23	1.39	1.36	1.54
28	4.23	3.20	1.77	1.81	1.89	1.92	1.68	2.57	1.17	1.36	1.34	1.55
29	3.04	2.52	1.75	1.74	---	1.96	1.67	1.98	1.23	1.32	1.34	1.39
30	2.04	2.22	1.74	1.70	---	4.79	1.95	1.71	1.22	1.23	1.37	1.38
31	1.76	---	1.70	1.71	---	3.85	---	1.65	---	1.33	1.87	---
MEAN	1.68	2.36	1.88	1.83	2.71	2.37	2.18	1.84	1.62	1.51	1.63	1.42
MAX	4.23	5.45	2.39	2.93	5.14	4.79	3.29	3.27	2.57	3.20	4.30	2.13
MIN	1.25	1.57	1.68	1.56	1.84	1.86	1.67	1.45	1.17	1.20	1.23	.61

CAL YR 1980 MEAN 2.81 MAX 11.94 MIN 1.05
WTR YR 1981 MEAN 1.91 MAX 5.45 MIN .61

MOBILE RIVER BASIN

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1980 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1979 to current year.

pH: November 1979 to current year.

WATER TEMPERATURE: November 1979 to current year.

TURBIDITY: November 1979 to current year.

DISSOLVED OXYGEN: November 1979 to current year.

SUSPENDED SEDIMENT CONCENTRATION: December 1979 to current year.

INSTRUMENTATION.--Water-quality monitor since November 1979. Automatic pumping sediment sampler since December 1979.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument. Construction upstream may at times affect the water quality.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 100 micromhos July 28, Aug. 7, 1980; minimum, 30 micromhos Apr. 4, 1980.

pH: Maximum, 8.0 units May 8, 1980; minimum, 5.0 units on several days during year.

WATER TEMPERATURE: Maximum, 32.5°C July 15, 1980; minimum, 3.0°C Feb. 11, 17, 18, 1980.

TURBIDITY: Maximum, 900 NTU May 16, July 22, 1980; minimum, 1.1 NTU Feb. 14, 18, 1980.

DISSOLVED OXYGEN: Maximum, 12.8 mg/L Jan. 9, 1980; minimum, 5.4 mg/L June 20, July 7, 1980.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 451 mg/L Mar. 7, 1980; minimum daily mean, 1 mg/L Aug. 9, 1980.

EXTREMES FOR CURRENT YEAR.--

pH: Maximum, 9.8 units Dec. 11, 14, 31; minimum, 6.2 units Aug. 12.

WATER TEMPERATURE: Maximum, 32.0°C July 20; minimum 1.0°C Jan. 12-13.

TURBIDITY: Maximum, 1000 NTU Nov. 14; minimum, 1 NTU July 17.

DISSOLVED OXYGEN: Maximum, 14.0 mg/L Jan. 12; minimum, 3.3 mg/L Aug. 12.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 950 mg/L Apr. 16; minimum daily mean, 4 mg/L Nov. 4.

REVISIONS.--The daily figures of turbidity (NTU) for a period in water year 1980 have been revised, as per the following table, superseding those previously published.

NOV	MAX	MIN	MEAN	NOV	MAX	MIN	MEAN	NOV	MAX	MIN	MEAN
13	100	30	45	17	30	25	25	20	25	20	20
14	75	30	35	18	25	20	25	21	25	20	20
15	30	25	30	19	25	20	20	22	30	20	25
16	40	25	25								

SEDIMENT, SUSPENDED CONCENTRATION (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	19	47	8	---	16	48	12	30	19	---	30
2	21	11	20	16	---	19	35	41	30	42	---	20
3	28	13	16	6	---	15	42	35	74	26	---	21
4	---	4	20	14	---	---	39	20	450	25	29	25
5	---	10	20	---	50	---	59	28	140	83	55	20
6	16	7	15	---	---	---	32	26	57	82	105	20
7	13	18	17	---	---	---	22	20	38	---	43	30
8	15	8	18	---	---	---	20	21	29	---	39	40
9	---	9	21	---	---	---	23	22	28	---	36	33
10	25	14	16	---	36	---	19	18	25	41	60	25
11	13	7	9	---	31	---	53	56	27	---	35	21
12	15	16	13	---	29	---	41	20	50	---	---	20
13	50	14	12	18	27	---	35	23	---	---	---	20
14	10	51	9	12	---	---	21	21	---	---	---	19
15	---	370	12	15	---	---	15	21	---	34	---	27
16	---	---	10	13	---	---	950	22	---	29	---	32
17	---	---	8	10	18	---	16	90	---	26	---	28
18	---	43	7	9	160	---	15	57	26	23	61	25
19	---	46	10	7	19	---	22	34	---	---	47	---
20	---	---	12	200	29	---	100	22	---	---	42	---
21	---	---	9	---	23	---	100	24	---	---	40	---
22	---	---	6	---	16	---	42	15	---	---	35	---
23	---	---	8	---	20	---	25	18	---	---	25	---
24	---	---	6	---	18	---	45	14	---	---	22	---
25	---	---	6	---	10	---	19	270	21	---	21	---
26	---	---	6	---	15	25	20	210	27	---	18	---
27	---	---	8	---	18	25	17	143	17	---	20	---
28	14	---	5	18	16	24	14	67	20	---	19	---
29	19	---	7	27	---	160	14	42	20	---	20	---
30	---	---	9	47	---	450	12	40	18	---	20	---
31	---	---	6	---	---	97	---	32	---	---	22	---

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (FTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 30 DAY (MG/L)	ALKA- LITY LAR (MG/L CAC03)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 14...	1000	90	6.9	13.5	3.0	9.4	1.2	4.2	17	--	--
NOV 05...	1500	80	7.1	14.0	2.0	10.2	2.4	--	18	.05	<.010
JAN 14...	0900	63	7.0	3.5	4.5	13.0	--	--	19	--	--
FEB 05...	0945	67	6.9	3.0	12	12.0	2.9	--	11	--	<.010
MAR 03...	1400	68	7.0	12.0	4.0	11.2	2.4	--	17	--	<.010
APR 07...	0845	70	6.9	16.5	10	8.8	--	--	18	--	--
JUN 01...	1300	85	7.1	25.5	14	7.1	.7	--	32	.09	.010
JUL 08...	0900	95	7.0	26.5	21	6.6	2.0	--	15	--	--
AUG 04...	1100	125	7.3	26.0	14	6.7	1.9	--	28	--	<.010
SEP 09...	1430	115	7.2	25.0	27	7.8	1.1	--	26	--	<.010

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHOPUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 14...	.06	.060	.07	.13	.19	.25	1.1	.020	.06	--
NOV 05...	.05	.030	.04	.13	.16	.21	.93	.020	.06	<.010
JAN 14...	.04	<.010	--	.14	.14	.18	.80	.010	.03	.020
FEB 05...	.10	.020	.02	.23	.25	.35	1.6	.040	.12	--
MAR 03...	.03	.040	.05	.10	.14	.17	.75	.020	.06	.020
APR 07...	.03	.030	.04	.23	.26	.29	1.3	.020	.06	.050
JUN 01...	.10	.050	.06	.31	.36	.46	2.0	.030	.09	.020
JUL 08...	.04	.030	.04	.33	.36	.40	1.8	.030	.09	.010
AUG 04...	.07	.090	.11	.36	.45	.52	2.3	.040	.12	.010
SEP 09...	.17	.040	.05	.23	.27	.44	1.9	.030	.09	.010

DATE	COLOR (PLAT- INUM- COBALT UNITS)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
OCT 14...	10	12	56	2.2	2.1	.1	12	71	.10
JAN 14...	15	<10	52	2.0	1.3	<.1	12	46	.06
APR 07...	30	23	K29	1.7	1.4	<.1	7.3	54	.07
JUL 08...	17	23	270	2.0	2.3	<.1	15	67	.09

DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	PHENOLS (UG/L)
OCT 14...	1200	910	290	130	0	130	.1	<1
JAN 14...	1300	960	340	180	30	150	<.1	5
APR 07...	1600	1400	190	200	0	200	.2	<1
JUL 08...	1400	980	420	320	80	240	.1	<1

MOBILE RIVER BASIN

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL (UG/L)	DAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANF, TOTAL (UG/L)	DDO, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)
OCT 14...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	<.01	<.01	<.01
JAN 14...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	<.01	<.01	<.01
APR 07...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	<.01	<.01	<.01
JUL 08...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	<.01	<.01	<.01

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
OCT 14...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
JAN 14...	<.01	<.01	<.01	<.01	<.01	.01	<.01	<.01	<.01
APR 07...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
JUL 08...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01

DATE	MIPEX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 14...	<.01	<.01	<.01	<0	<.01	--	--	--	--
JAN 14...	<.01	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
APR 07...	<.01	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
JUL 08...	<.01	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SEDI- MENT, SUS- PENDED (MG/L)
OCT 07...	1520	23
10...	1250	18
28...	1040	87
NOV 05...	1500	25
15...	1040	99
19...	1420	55
DEC 02...	1320	29
10...	1540	22
FEB 26...	1555	25
MAR 04...	1040	1830
26...	1050	44
APR 21...	1045	55
MAY 12...	1150	32
27...	1545	61
28...	1430	67
JUN 18...	0905	75

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	79	76	78	81	70	73	92	74	78	74	62	64
2	84	78	81	73	70	71	84	73	75	64	62	63
3	89	84	86	80	70	72	86	72	76	64	61	63
4	90	88	89	85	73	75	90	78	81	68	61	62
5	90	88	89	90	75	76	83	78	80	68	61	63
6	93	87	89	85	78	80	98	80	83	87	61	67
7	90	88	89	97	80	82	83	77	79	62	55	58
8	91	89	90	87	80	81	87	76	78	70	60	64
9	91	89	90	84	82	83	89	74	81	72	62	65
10	91	89	90	88	84	85	84	71	75	73	62	67
11	94	91	92	84	79	81	93	71	74	63	61	62
12	93	92	92	94	78	80	80	73	76	67	62	64
13	---	---	---	83	77	79	84	76	79	68	60	64
14	92	90	91	---	---	---	96	70	75	73	61	67
15	91	89	90	---	---	---	83	69	75	94	64	70
16	95	88	89	93	72	75	85	73	80	72	64	69
17	89	87	88	---	---	---	78	70	72	64	62	63
18	87	81	84	---	---	---	91	69	75	65	61	63
19	84	82	83	---	---	---	86	69	72	72	61	65
20	85	83	84	79	71	73	70	67	70	91	65	73
21	85	83	84	83	74	77	71	70	71	71	57	62
22	84	81	82	84	79	82	84	70	74	74	63	67
23	82	77	81	87	82	84	78	69	72	72	65	69
24	87	76	81	92	80	85	75	65	70	74	60	68
25	80	73	76	---	88	---	68	64	66	72	60	63
26	---	---	---	---	89	---	68	65	67	---	---	---
27	---	---	---	---	70	---	74	64	66	---	---	---
28	75	73	66	82	80	81	66	62	64	69	57	62
29	76	74	75	80	78	79	69	63	64	63	59	60
30	75	74	74	78	74	77	76	62	66	74	60	65
31	74	71	73	---	---	---	66	62	63	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	68	65	66	---	56	---	---	---	---
2	---	---	---	76	64	66	67	60	62	---	---	---
3	---	---	---	68	66	67	76	63	65	---	---	---
4	---	---	---	---	---	---	---	64	---	---	---	---
5	---	---	---	---	---	---	67	58	63	82	76	79
6	68	65	66	---	---	---	75	62	67	84	73	78
7	78	65	66	---	---	---	75	69	71	89	71	77
8	65	64	64	---	---	---	74	67	70	83	75	77
9	84	63	73	---	---	---	88	60	69	86	76	80
10	97	63	76	---	---	---	82	60	65	96	76	80
11	68	60	65	---	---	---	80	66	70	85	70	74
12	71	68	69	---	---	---	66	62	65	82	74	77
13	70	67	68	---	---	---	74	63	68	88	78	81
14	72	66	67	---	---	---	74	67	69	89	77	81
15	66	65	65	---	---	---	74	68	70	93	75	80
16	89	66	75	---	---	---	75	68	71	87	77	82
17	80	61	66	---	---	---	78	65	70	---	63	---
18	84	62	64	---	---	---	---	66	---	90	61	70
19	71	62	64	67	62	65	---	95	---	80	73	75
20	72	63	65	69	65	66	---	85	---	82	73	75
21	70	62	65	72	62	67	87	69	76	85	75	78
22	74	68	70	---	54	---	79	69	72	---	77	---
23	68	64	66	62	54	59	95	66	73	95	78	83
24	72	63	66	69	62	64	76	67	69	86	77	80
25	87	68	70	72	63	66	79	70	72	---	---	---
26	83	69	73	73	62	64	76	69	71	---	---	---
27	78	68	72	86	57	65	---	---	---	98	72	78
28	72	68	69	70	57	63	---	---	---	99	75	81
29	---	---	---	---	61	---	---	---	---	100	81	86
30	---	---	---	---	49	---	---	---	---	90	80	86
31	---	---	---	76	62	67	---	---	---	---	80	---

MOBILE RIVER BASIN

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	83	77	79	---	---	---	---	---	---	126	116	120
2	---	---	---	---	---	---	---	---	---	140	111	118
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	120	102	115	---	---	---
5	93	78	83	---	---	---	166	111	119	---	---	---
6	---	---	---	---	---	---	125	114	121	---	---	---
7	91	83	87	99	92	96	117	100	109	---	---	---
8	95	87	89	101	95	97	121	106	115	---	---	---
9	---	90	---	104	94	98	121	116	117	---	---	---
10	---	94	---	106	96	100	117	100	112	127	112	114
11	---	---	---	105	92	100	145	108	117	134	111	117
12	---	---	---	101	92	99	113	105	110	---	---	---
13	---	90	---	103	99	101	116	111	114	---	---	---
14	97	92	95	108	100	104	113	107	110	---	---	---
15	---	94	---	108	104	105	116	105	108	---	---	---
16	---	99	---	119	104	108	105	101	103	---	---	---
17	---	96	---	114	105	109	104	101	103	---	---	---
18	---	83	---	116	108	113	124	101	108	116	106	111
19	108	93	100	109	102	107	110	102	107	---	---	---
20	104	98	101	119	92	108	111	97	104	---	---	---
21	104	98	101	143	104	114	119	102	109	---	---	---
22	106	98	102	111	105	108	133	111	126	---	---	---
23	107	101	103	144	108	117	136	131	134	---	---	---
24	111	101	106	119	109	112	132	127	129	---	---	---
25	113	101	105	118	109	115	128	117	122	---	---	---
26	112	102	105	---	---	---	125	118	121	---	---	---
27	109	103	105	---	---	---	140	120	128	---	---	---
28	106	105	105	129	96	107	149	133	139	---	---	---
29	113	102	107	116	108	113	148	141	144	105	103	104
30	115	104	109	114	107	110	143	133	138	111	99	104
31	---	---	---	---	---	---	134	126	129	---	---	---

PH (STANDARD UNITS), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.9	6.8	7.1	6.9	6.9	6.7	7.1	7.0	---	---	7.0	6.9
2	6.9	6.9	7.0	7.0	7.9	6.8	7.1	7.0	---	---	9.1	7.0
3	6.9	6.9	7.1	6.9	8.8	6.9	7.1	7.0	---	---	7.1	7.0
4	7.0	6.9	7.0	6.9	8.5	7.1	7.3	7.0	---	---	8.7	7.0
5	7.0	7.0	8.2	6.9	7.4	7.0	7.4	7.1	---	---	8.4	7.0
6	7.0	7.0	7.6	7.0	9.6	7.2	8.3	7.0	6.7	6.5	7.0	7.0
7	7.0	7.0	9.0	7.0	7.6	6.9	7.2	7.0	7.1	6.6	8.9	7.0
8	7.0	6.9	7.4	6.8	7.6	6.9	8.0	7.1	6.7	6.7	7.2	7.0
9	6.9	6.8	6.9	6.9	8.5	7.5	8.0	7.2	7.8	6.7	7.0	6.9
10	6.9	6.8	8.2	6.8	8.3	7.3	8.7	7.7	9.0	6.9	7.1	6.9
11	6.9	6.8	7.2	7.0	9.8	7.4	7.6	7.2	6.9	6.8	7.2	6.9
12	7.0	6.9	8.0	7.0	8.6	7.7	7.2	7.1	6.9	6.8	7.2	6.9
13	---	---	8.2	7.0	8.7	8.1	7.5	7.1	6.9	6.8	7.3	7.0
14	7.0	7.0	7.3	6.6	9.8	7.5	8.6	7.1	6.9	6.9	7.0	6.9
15	7.0	7.0	6.7	6.5	---	---	9.7	8.5	6.9	6.9	7.3	6.9
16	7.0	6.9	6.8	6.7	---	---	8.8	8.6	8.8	6.9	7.1	7.0
17	6.9	6.8	---	---	7.3	6.9	8.5	7.7	8.7	6.9	8.2	6.9
18	6.9	6.8	---	---	8.7	6.9	7.6	7.2	9.7	6.8	7.5	7.0
19	6.9	6.8	---	---	9.2	6.9	8.7	7.2	8.1	6.8	7.4	7.0
20	7.0	6.9	7.1	6.8	7.0	7.0	9.4	8.2	7.2	6.9	7.2	7.0
21	7.0	7.0	7.6	6.8	7.0	6.9	9.3	7.6	7.0	6.8	7.5	7.1
22	7.0	7.0	7.0	6.8	7.1	7.0	9.3	8.1	7.0	6.9	8.9	7.0
23	7.0	6.7	6.9	6.7	9.0	7.0	8.8	8.6	6.9	6.9	7.0	7.0
24	6.9	6.8	7.0	6.7	7.2	7.0	9.4	8.4	7.3	6.9	7.2	7.0
25	7.0	6.8	7.2	6.8	7.0	7.0	8.4	7.8	7.4	6.9	7.3	7.0
26	---	---	7.9	6.7	7.0	7.0	---	---	8.2	6.9	8.4	7.0
27	---	---	7.8	6.6	7.1	7.0	---	---	7.2	6.9	9.7	7.0
28	6.8	6.6	6.7	6.6	7.0	7.0	8.6	7.1	7.1	6.9	7.8	7.0
29	7.0	6.8	6.8	6.7	8.1	7.0	7.9	7.0	---	---	8.1	6.5
30	7.0	6.9	6.8	6.7	9.3	7.0	8.3	7.0	---	---	8.2	6.7
31	7.0	6.9	---	---	9.8	7.1	---	---	---	---	8.5	6.8

MOBILE RIVER BASIN

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02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.9	6.7	---	---	6.9	6.8	---	---	---	---	---	---
2	6.9	6.7	---	---	8.2	6.8	---	---	---	---	---	---
3	7.1	6.7	---	---	8.8	8.0	---	---	---	---	---	---
4	7.4	6.7	---	---	8.4	7.6	---	---	7.3	6.8	---	---
5	6.7	6.6	7.2	7.0	7.5	6.9	---	---	8.7	6.9	---	---
6	6.8	6.7	7.3	6.9	8.1	7.4	7.5	6.8	7.2	7.0	---	---
7	7.0	6.8	7.2	7.0	7.7	6.9	6.9	6.8	7.0	6.7	---	---
8	7.4	6.9	7.3	7.0	7.1	6.8	6.9	6.8	7.0	6.7	---	---
9	7.8	6.8	7.4	7.0	7.6	6.8	6.9	6.7	7.0	6.9	---	---
10	8.0	6.8	7.7	7.1	6.9	6.8	7.0	6.6	6.9	6.7	8.7	6.8
11	8.5	6.8	7.5	7.0	7.9	6.8	7.1	6.7	8.1	6.8	9.2	6.8
12	6.9	6.8	7.3	7.1	8.0	6.8	6.9	6.7	6.9	6.2	---	---
13	7.4	6.8	7.9	7.1	7.3	6.7	6.8	6.8	6.6	6.5	---	---
14	7.0	6.8	7.5	7.1	6.7	6.7	7.0	6.8	6.8	6.6	---	---
15	7.0	6.8	8.7	7.1	6.8	6.6	7.0	6.7	7.0	6.6	---	---
16	7.2	6.9	8.5	7.2	7.0	6.7	7.2	6.7	6.7	6.6	---	---
17	7.3	6.8	9.2	6.9	6.9	6.7	6.9	6.7	6.8	6.6	---	---
18	8.0	6.9	7.2	6.9	6.9	6.6	7.1	6.8	7.4	6.7	---	---
19	7.3	7.1	7.2	6.9	7.1	6.7	6.8	6.6	6.9	6.8	---	---
20	8.1	7.0	7.2	7.0	7.0	6.8	7.0	6.6	7.0	6.7	---	---
21	7.7	6.9	7.4	7.0	7.0	6.8	7.5	6.7	6.9	6.6	---	---
22	7.2	6.9	7.9	7.0	7.1	6.8	6.8	6.7	8.7	6.6	---	---
23	7.6	6.8	7.9	7.0	7.0	6.8	7.4	6.7	6.8	6.6	---	---
24	7.0	6.8	7.3	6.9	7.4	6.8	7.0	6.7	6.8	6.7	---	---
25	7.1	6.9	---	---	7.2	6.8	7.2	6.8	6.8	6.6	---	---
26	7.0	6.8	---	---	7.7	6.9	---	---	6.8	6.6	---	---
27	---	---	8.1	6.8	7.3	7.0	---	---	---	---	---	---
28	---	---	8.1	6.8	7.0	7.0	7.6	6.9	---	---	---	---
29	---	---	8.9	6.8	8.2	6.9	7.2	6.9	---	---	7.1	6.9
30	---	---	7.2	6.8	8.0	7.0	7.0	6.9	---	---	7.3	7.0
31	---	---	7.9	6.8	---	---	---	---	---	---	---	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	20.5	19.5	20.0	14.0	11.0	12.0	10.5	8.0	9.0	5.5	4.5	5.0
2	21.0	19.0	20.0	14.0	11.5	12.5	10.5	8.5	9.5	6.0	4.0	5.0
3	19.5	17.0	18.5	14.5	12.5	13.5	8.5	7.0	8.0	6.0	4.0	4.5
4	18.0	16.0	17.0	15.5	13.0	14.0	8.0	6.5	7.0	5.0	3.0	4.5
5	17.5	15.5	16.5	14.0	12.0	13.0	8.5	6.5	7.5	4.0	2.5	3.0
6	16.5	14.0	15.5	13.5	11.0	12.0	10.0	7.5	9.0	4.0	3.0	3.5
7	17.0	14.0	15.5	14.5	11.5	13.0	10.5	9.0	9.5	5.0	3.5	4.0
8	18.0	15.5	16.5	16.0	13.0	14.5	11.5	10.0	10.5	4.5	3.0	3.5
9	19.0	16.5	17.5	16.0	14.5	15.5	12.5	11.5	12.0	5.0	3.0	4.0
10	20.0	17.0	18.5	17.0	14.5	15.5	11.5	9.5	10.5	4.0	2.5	3.5
11	20.0	17.5	18.5	15.0	13.0	14.0	9.5	8.0	9.0	2.5	1.5	2.5
12	17.5	15.5	16.5	14.0	12.0	13.0	9.0	7.5	8.0	2.5	1.0	1.5
13	---	---	---	13.0	11.0	12.0	9.0	7.5	8.0	3.5	1.0	2.0
14	16.5	14.0	15.5	13.5	12.0	13.0	8.0	6.5	7.5	5.5	3.0	4.0
15	17.5	13.5	15.5	14.0	13.5	14.0	7.0	6.0	6.5	5.0	3.5	4.0
16	18.5	15.5	17.0	13.5	12.5	13.0	8.5	7.0	8.0	4.5	3.0	3.5
17	19.5	17.5	18.5	---	---	---	7.5	6.0	7.0	3.5	2.0	2.5
18	20.0	19.5	19.5	---	---	---	8.0	6.0	7.0	3.5	1.5	2.5
19	21.0	18.5	20.0	---	---	---	8.0	6.5	7.0	4.5	2.5	3.5
20	18.5	15.5	17.0	10.0	8.5	9.0	6.0	4.0	5.0	5.0	4.0	4.5
21	17.0	14.5	15.5	9.5	8.0	8.5	4.5	3.5	4.0	4.5	4.0	4.5
22	17.0	14.5	15.5	9.0	8.0	8.5	4.5	3.0	3.5	5.5	4.5	5.0
23	17.5	15.0	16.5	10.0	9.0	9.5	6.5	4.5	5.5	6.5	5.0	5.5
24	17.0	16.0	16.5	10.5	10.0	10.5	7.0	5.5	6.5	6.5	4.5	5.5
25	15.5	14.5	15.0	10.5	9.0	10.0	5.0	3.5	4.0	7.5	5.0	6.0
26	---	---	---	9.0	9.0	9.0	4.0	3.5	4.0	---	---	---
27	---	---	---	9.0	8.0	8.5	5.0	3.5	4.0	---	---	---
28	16.0	15.5	15.5	8.0	7.5	8.0	4.5	3.0	3.5	9.0	7.0	8.0
29	15.5	13.0	14.0	9.0	7.0	7.5	5.5	4.0	4.5	7.5	6.5	7.0
30	13.5	11.5	12.5	9.5	7.0	8.0	6.0	4.5	5.5	7.0	6.5	7.0
31	13.0	11.0	12.0	---	---	---	6.0	4.5	5.0	---	---	---

MOBILE RIVER BASIN

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	13.5	12.0	13.0	20.0	17.5	18.5	---	---	---
2	---	---	---	13.0	11.0	12.0	19.0	16.0	17.5	---	---	---
3	---	---	---	12.0	10.5	11.0	18.5	17.0	18.0	---	---	---
4	---	---	---	11.0	10.5	11.0	20.5	18.5	19.0	---	---	---
5	---	---	---	11.5	11.0	11.0	20.0	17.5	18.5	22.5	21.5	22.0
6	6.0	4.5	5.0	11.0	9.5	10.5	20.0	16.0	17.5	22.5	20.5	21.5
7	6.0	5.0	5.5	11.0	10.0	10.5	18.0	16.5	17.0	22.0	19.5	20.5
8	7.5	5.5	6.0	12.0	10.0	10.5	17.5	16.5	17.0	20.5	18.5	19.5
9	5.5	4.5	5.0	11.5	9.0	10.0	18.5	17.5	18.0	21.0	19.0	20.0
10	8.0	5.5	7.0	11.5	8.5	10.0	20.5	18.0	19.5	21.5	19.5	20.0
11	7.5	4.0	6.0	12.0	9.5	10.5	21.0	19.0	20.0	19.0	17.5	18.5
12	4.0	2.5	3.0	11.5	9.0	10.0	21.5	19.5	20.5	20.0	16.0	18.0
13	4.0	2.5	3.5	12.0	9.5	10.5	22.5	20.0	21.0	21.5	17.0	19.0
14	5.5	3.5	4.5	13.0	10.5	11.5	23.0	20.5	21.5	21.5	19.0	20.0
15	7.0	5.0	6.0	11.0	10.0	10.5	20.5	18.0	19.5	20.5	18.0	19.0
16	8.5	7.0	8.0	12.5	10.0	11.0	20.5	17.5	19.0	18.5	17.5	18.0
17	11.0	8.5	9.5	13.0	10.0	11.5	21.5	19.5	20.5	18.0	16.5	17.5
18	11.5	10.5	11.0	12.0	10.0	11.5	22.5	20.0	21.0	20.0	18.0	19.0
19	13.5	11.5	12.5	11.0	8.5	9.5	23.5	20.5	21.5	21.5	19.5	20.0
20	13.0	11.0	12.0	11.5	9.0	10.0	21.5	19.5	20.5	20.0	18.0	19.0
21	12.5	10.5	11.5	11.5	10.0	10.5	21.0	18.5	19.5	21.0	16.5	19.0
22	14.0	12.0	13.0	11.0	10.0	10.5	20.0	19.5	19.5	22.5	17.5	20.0
23	13.0	11.0	12.0	12.0	9.5	11.0	20.0	18.5	19.5	23.0	19.0	21.0
24	12.5	10.0	11.0	13.0	10.0	11.5	20.0	18.0	19.0	24.0	19.5	21.5
25	13.0	10.0	11.5	13.0	10.5	11.5	20.0	17.5	18.5	---	---	---
26	13.0	11.0	12.0	14.5	11.0	12.5	21.5	18.0	19.5	---	---	---
27	14.5	11.5	13.0	15.0	12.5	13.5	---	---	---	22.5	21.0	21.5
28	13.5	13.0	13.5	16.5	13.0	15.0	---	---	---	23.0	21.5	22.0
29	---	---	---	16.5	15.5	16.0	---	---	---	25.0	22.0	23.5
30	---	---	---	17.5	15.5	17.0	---	---	---	25.5	23.0	24.0
31	---	---	---	18.5	15.5	17.0	---	---	---	26.0	23.5	24.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	26.0	23.5	24.5	---	---	---	---	---	---	26.5	24.0	25.0
2	25.5	23.5	24.5	---	---	---	---	---	---	25.0	22.0	23.5
3	26.0	23.5	24.5	---	---	---	---	---	---	---	---	---
4	26.0	23.5	24.5	---	---	---	30.0	25.5	28.0	---	---	---
5	26.5	24.5	25.5	---	---	---	30.0	26.5	28.5	---	---	---
6	27.0	25.0	26.0	27.5	26.5	27.0	30.5	27.0	29.0	---	---	---
7	27.0	25.0	25.5	28.5	26.0	27.0	29.5	26.5	28.5	---	---	---
8	27.5	25.0	26.0	29.0	26.0	27.5	29.5	26.5	28.0	---	---	---
9	28.0	25.5	26.5	30.0	26.5	28.0	29.0	25.0	27.5	---	---	---
10	28.5	26.0	27.0	30.5	27.0	28.5	29.0	25.0	27.5	25.0	21.5	24.0
11	27.0	25.0	26.0	29.0	26.0	27.5	29.0	26.0	28.0	25.5	21.0	23.5
12	28.0	24.5	26.0	30.0	26.5	28.5	29.0	27.0	28.0	---	---	---
13	29.0	26.0	27.0	31.0	27.0	29.0	29.5	27.5	28.5	---	---	---
14	29.5	26.0	27.5	31.0	27.5	29.0	30.0	26.5	28.5	---	---	---
15	29.5	26.0	27.5	31.5	28.0	29.5	30.0	27.0	28.5	---	---	---
16	29.5	26.0	27.5	31.5	28.0	30.0	30.5	27.0	29.0	---	---	---
17	28.5	25.5	26.5	31.5	28.5	29.5	29.5	27.0	28.0	---	---	---
18	27.5	23.5	25.5	31.0	27.5	29.0	27.5	26.0	26.5	20.0	18.0	19.0
19	27.0	24.0	25.5	31.5	28.0	29.5	26.0	24.5	25.0	---	---	---
20	28.0	24.5	26.0	32.0	28.5	30.0	25.0	23.5	24.5	---	---	---
21	30.0	25.5	27.5	30.0	27.0	28.5	25.0	23.5	24.5	---	---	---
22	30.0	26.0	28.0	30.5	27.5	29.0	25.5	23.5	24.5	---	---	---
23	30.0	26.5	28.0	30.5	27.5	29.0	26.5	23.0	25.0	---	---	---
24	30.5	25.5	28.0	31.5	27.0	29.0	27.5	24.0	26.0	---	---	---
25	30.5	27.0	28.5	29.5	26.5	28.0	27.5	24.5	26.0	---	---	---
26	29.5	26.0	27.5	---	---	---	28.5	24.5	26.5	---	---	---
27	28.0	24.0	26.0	---	---	---	27.5	25.0	26.0	---	---	---
28	28.5	24.0	26.0	30.0	28.5	29.5	27.0	24.5	25.5	---	---	---
29	28.0	25.5	26.5	29.5	27.5	28.0	27.0	24.0	25.5	24.0	21.0	23.0
30	28.0	24.5	26.0	28.5	25.5	27.0	27.5	24.0	25.5	23.0	20.0	21.5
31	---	---	---	---	---	---	27.0	24.0	25.5	---	---	---

MOBILE RIVER BASIN

31

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS--Continued

TURBIDITY (NTU), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	150	30	45	200	6.0	25	110	20	35	100	25	40
2	50	25	30	140	8.0	20	90	40	50	50	40	45
3	35	20	25	450	10	45	50	35	40	95	40	55
4	20	15	20	240	10	30	50	30	35	55	35	40
5	20	10	15	30	8.0	15	40	30	35	65	35	40
6	45	10	20	30	4.0	15	95	35	40	450	50	130
7	30	9.0	20	100	10	25	40	35	40	95	50	65
8	280	15	30	120	20	30	95	35	45	110	45	65
9	45	10	20	25	25	25	160	60	95	120	40	60
10	50	10	20	60	20	30	210	50	80	170	50	80
11	40	8.0	15	45	15	20	95	45	55	55	40	45
12	10	5.0	8.0	65	15	25	85	50	60	100	40	50
13	---	---	---	45	15	20	160	65	95	55	35	45
14	60	15	25	1000	15	190	180	60	95	120	35	70
15	40	10	20	120	30	55	190	55	85	190	55	110
16	40	10	20	360	40	65	290	60	140	210	50	110
17	140	15	35	---	---	---	55	40	50	50	40	45
18	50	15	20	---	---	---	70	40	45	50	40	45
19	15	9.0	15	---	---	---	50	40	40	160	40	60
20	150	8.0	20	35	25	30	40	35	35	390	65	170
21	35	10	15	75	20	30	35	30	35	210	55	85
22	30	10	15	30	25	25	40	30	35	130	45	80
23	260	10	60	85	25	35	70	35	40	180	65	110
24	500	15	60	50	30	35	55	35	40	230	50	130
25	360	15	65	80	25	30	35	25	30	550	50	150
26	---	---	---	700	25	170	30	25	25	---	---	---
27	---	---	---	290	55	95	35	20	25	---	---	---
28	90	40	60	55	30	40	25	25	25	---	---	---
29	50	20	35	30	25	25	30	20	25	---	---	---
30	95	10	25	25	20	25	50	25	30	---	---	---
31	20	8.0	10	---	---	---	45	30	35	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	20	15	15	850	55	130	---	---	---
2	---	---	---	20	10	15	60	40	50	---	---	---
3	---	---	---	15	10	10	45	35	40	---	---	---
4	---	---	---	600	10	130	550	35	95	---	---	---
5	---	---	---	200	35	65	75	15	40	35	15	20
6	290	40	85	40	25	30	50	10	45	35	15	20
7	80	35	50	30	20	25	45	20	30	110	15	20
8	35	25	30	25	10	15	25	15	15	15	9.0	15
9	75	20	45	750	3.0	50	120	15	35	160	4.0	35
10	600	45	130	20	15	15	90	15	25	240	15	70
11	---	---	---	25	15	20	220	15	35	45	15	20
12	---	---	---	140	15	25	30	20	20	45	10	15
13	15	10	15	25	15	20	30	15	20	50	10	15
14	20	10	15	35	15	25	35	15	20	40	10	15
15	20	10	15	30	20	20	40	15	20	45	10	15
16	280	15	95	25	20	20	30	10	20	50	8.0	15
17	140	25	50	30	15	20	120	10	40	800	10	130
18	45	25	25	55	20	30	310	10	130	150	35	55
19	35	20	25	60	10	20	80	45	55	80	25	35
20	140	20	30	20	8.0	10	500	10	160	75	20	25
21	35	15	20	15	6.0	10	220	25	100	45	15	20
22	35	20	25	300	15	70	120	15	20	330	15	40
23	25	15	20	30	15	20	140	15	30	310	15	40
24	85	15	25	15	10	15	120	20	35	80	15	30
25	45	15	20	20	10	15	120	15	55	---	---	---
26	25	15	15	20	10	15	80	15	20	---	---	---
27	20	15	15	35	15	20	---	---	---	140	35	65
28	20	15	20	40	20	25	---	---	---	550	15	75
29	---	---	---	380	15	55	---	---	---	65	25	30
30	---	---	---	190	55	130	---	---	---	55	20	25
31	---	---	---	450	65	95	---	---	---	280	20	45

MOBILE RIVER BASIN

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS--Continued

TURBIDITY (NTU), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	80	20	30	---	---	---	---	---	---	110	40	60
2	600	20	95	---	---	---	---	---	---	70	35	50
3	340	45	110	---	---	---	---	---	---	---	---	---
4	200	40	65	---	---	---	25	4.0	15	---	---	---
5	60	30	40	---	---	---	400	20	70	---	---	---
6	750	35	90	---	---	---	90	25	45	---	---	---
7	40	25	30	45	25	35	55	30	35	---	---	---
8	55	15	25	65	20	25	45	25	35	---	---	---
9	50	20	25	30	20	25	35	15	30	---	---	---
10	35	15	25	170	15	30	55	30	35	40	30	35
11	260	15	60	35	15	25	60	25	35	45	30	35
12	180	40	75	25	15	20	400	30	210	---	---	---
13	65	25	35	80	15	25	140	120	130	---	---	---
14	50	25	30	35	15	20	---	---	---	---	---	---
15	95	30	40	20	10	15	---	---	---	---	---	---
16	50	25	35	35	5.0	15	---	---	---	---	---	---
17	35	20	25	15	1.0	7.0	---	---	---	---	---	---
18	120	4.0	30	25	8.0	15	95	25	35	45	25	35
19	160	15	85	25	10	15	65	25	30	---	---	---
20	140	4.0	40	50	10	20	60	25	35	---	---	---
21	40	20	25	170	15	35	80	25	45	---	---	---
22	30	15	20	45	9.0	20	40	20	30	---	---	---
23	20	15	15	70	9.0	20	35	20	25	---	---	---
24	160	15	50	50	8.0	15	45	15	25	---	---	---
25	110	15	45	20	10	15	40	30	35	---	---	---
26	210	4.0	80	---	---	---	45	25	35	---	---	---
27	---	---	---	---	---	---	80	30	45	---	---	---
28	---	---	---	160	15	40	60	30	45	---	---	---
29	---	---	---	35	6.0	20	80	35	50	30	20	25
30	---	---	---	20	3.0	10	45	30	35	210	20	35
31	---	---	---	---	---	---	240	30	70	---	---	---

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	8.3	8.1	8.3	10.0	9.7	9.9	11.1	10.5	10.6	12.6	12.3	12.5
2	8.5	8.3	8.4	10.0	9.7	9.8	10.8	10.6	10.6	12.8	12.6	12.7
3	8.9	8.5	8.7	9.8	9.4	9.6	11.4	10.8	11.2	12.8	12.3	12.7
4	9.1	8.9	9.0	9.4	9.2	9.3	11.6	11.3	11.4	13.0	12.5	12.7
5	9.3	9.0	9.2	9.9	9.4	9.6	11.4	11.2	11.3	13.5	13.2	13.3
6	9.6	9.4	9.5	10.1	9.9	10.0	11.2	10.7	11.0	13.4	12.9	13.0
7	9.6	9.3	9.5	10.0	9.5	9.7	10.8	10.6	10.7	13.1	13.0	13.1
8	9.4	8.9	9.2	9.5	9.1	9.3	10.6	10.2	10.4	13.5	13.1	13.3
9	9.0	8.8	8.9	9.1	8.9	9.0	10.1	9.8	9.9	13.6	13.1	13.4
10	8.9	8.6	8.8	9.1	8.9	9.0	10.9	10.0	10.4	13.7	13.2	13.3
11	8.8	8.6	8.7	9.5	9.1	9.4	11.2	10.9	11.0	13.8	12.6	13.7
12	9.3	8.8	9.1	9.8	9.6	9.7	11.4	11.1	11.2	14.0	13.7	13.8
13	---	---	---	10.1	9.8	9.9	11.4	11.1	11.2	13.8	13.1	13.6
14	9.5	9.2	9.3	9.9	9.5	9.7	11.6	11.3	11.5	13.1	12.8	12.9
15	9.3	9.0	9.2	9.0	8.9	8.9	11.7	11.4	11.5	13.1	12.7	12.9
16	9.0	8.2	8.7	9.3	8.9	9.1	11.3	11.1	11.2	13.2	12.9	13.1
17	9.0	8.2	8.7	---	---	---	11.7	11.2	11.5	13.5	13.2	13.4
18	8.6	7.1	8.3	---	---	---	11.9	11.5	11.7	13.6	13.2	13.4
19	8.8	8.1	8.4	---	---	---	11.8	11.3	11.5	13.3	12.9	13.1
20	9.0	8.7	8.8	10.7	10.3	10.6	12.5	11.8	12.2	12.8	12.5	12.6
21	9.1	8.9	9.0	11.0	10.7	10.9	12.8	12.5	12.7	12.7	12.6	12.7
22	9.0	8.7	8.9	11.0	10.8	10.9	12.8	12.5	12.7	12.7	12.6	12.7
23	8.8	8.3	8.6	10.8	10.4	10.6	12.5	11.9	12.2	12.6	12.3	12.5
24	8.4	7.2	8.0	10.4	10.2	10.3	11.9	11.5	11.7	12.6	12.3	12.4
25	8.5	7.9	8.3	10.6	10.4	10.5	12.6	11.9	12.4	12.5	11.9	12.2
26	---	---	---	10.8	10.6	10.7	12.6	12.4	12.5	---	---	---
27	---	---	---	10.7	10.3	10.4	12.6	12.4	12.4	---	---	---
28	8.6	8.2	8.4	10.7	10.4	10.6	12.6	12.2	12.4	11.8	11.7	11.7
29	9.4	8.6	9.1	10.9	10.7	10.8	13.3	12.9	12.9	12.1	11.7	11.9
30	9.9	9.5	9.7	10.8	10.5	10.7	13.0	12.8	12.9	12.0	11.5	11.8
31	10.2	10.0	10.0	---	---	---	12.3	12.1	12.2	---	---	---

02430012 MACKEYS CREEK BELOW BAY SPRINGS LOCK AND DAM, MS--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	10.1	9.8	9.9	8.5	8.2	8.4	---	---	---
2	---	---	---	10.6	10.0	10.3	8.9	8.4	8.7	---	---	---
3	---	---	---	10.9	10.3	10.6	8.7	8.4	8.5	---	---	---
4	---	---	---	10.8	10.2	10.4	8.4	7.9	8.2	---	---	---
5	---	---	---	10.3	10.0	10.1	8.3	7.8	8.0	8.2	7.9	8.1
6	12.2	11.8	12.0	10.7	10.1	10.5	7.9	7.3	7.7	8.1	7.8	7.9
7	12.0	11.7	11.9	10.7	10.2	10.5	9.1	7.1	8.3	8.4	7.9	8.2
8	11.9	11.8	11.8	10.7	10.4	10.5	9.0	8.6	8.8	8.6	8.2	8.4
9	12.4	11.9	12.2	11.3	10.4	10.8	8.7	8.4	8.6	8.5	8.1	8.3
10	12.1	11.4	11.7	11.3	10.9	11.1	8.6	8.1	8.4	8.1	8.0	8.0
11	12.4	11.4	11.9	11.2	10.8	10.9	8.4	8.0	8.2	8.6	8.0	8.3
12	13.1	12.6	12.9	11.2	10.8	11.0	8.3	7.9	8.1	9.0	8.5	8.7
13	13.1	12.9	13.0	11.1	10.5	10.8	8.2	7.8	8.0	8.7	8.3	8.5
14	13.0	12.4	12.8	10.7	10.4	10.5	8.0	7.7	7.8	8.3	8.1	8.2
15	12.3	11.7	12.1	10.8	10.4	10.6	8.3	7.7	8.1	8.6	8.2	8.4
16	11.6	11.1	11.3	10.7	10.4	10.6	8.5	7.9	8.2	8.7	8.4	8.6
17	11.2	10.6	10.8	10.7	10.2	10.5	8.4	7.6	8.0	8.9	8.3	8.7
18	10.7	10.4	10.6	10.6	9.9	10.2	8.4	8.0	8.1	8.3	8.0	8.1
19	10.5	10.0	10.1	11.3	10.6	11.0	8.2	7.7	8.0	8.1	7.9	8.0
20	10.7	10.3	10.5	11.3	10.8	11.0	7.9	7.7	7.8	8.3	8.0	8.2
21	10.8	10.5	10.6	11.0	10.6	10.8	8.4	7.9	8.2	8.5	8.2	8.4
22	10.5	10.2	10.3	10.7	10.5	10.6	8.4	8.1	8.2	8.3	7.9	8.1
23	10.8	10.3	10.6	10.9	10.4	10.7	8.3	8.1	8.2	8.0	7.6	7.9
24	11.2	10.7	10.8	10.9	10.4	10.6	8.5	8.2	8.4	7.8	7.3	7.6
25	11.1	10.7	10.9	10.8	10.3	10.5	8.7	8.2	8.4	---	---	---
26	11.0	10.3	10.6	10.5	9.7	10.2	8.5	8.2	8.3	---	---	---
27	10.4	10.0	10.2	10.1	9.5	9.7	---	---	---	7.8	7.7	7.7
28	10.1	9.8	9.9	9.8	9.1	9.5	---	---	---	7.8	7.6	7.7
29	---	---	---	9.3	8.1	9.0	---	---	---	7.6	7.2	7.4
30	---	---	---	8.5	8.3	8.4	---	---	---	7.3	7.0	7.2
31	---	---	---	8.7	8.3	8.5	---	---	---	7.2	6.9	7.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	7.2	7.0	7.1	---	---	---	---	---	---	5.9	5.4	5.6
2	7.1	6.8	7.0	---	---	---	---	---	---	7.1	5.9	6.6
3	7.2	6.8	7.0	---	---	---	---	---	---	---	---	---
4	7.0	6.6	6.8	---	---	---	6.8	5.9	6.4	---	---	---
5	6.7	6.4	6.6	---	---	---	6.7	6.0	6.4	---	---	---
6	6.6	6.4	6.5	6.4	6.0	6.3	6.1	5.6	5.9	---	---	---
7	6.5	6.3	6.4	6.8	6.4	6.6	6.0	5.4	5.7	---	---	---
8	7.1	6.4	6.6	6.9	6.5	6.7	6.3	5.5	6.0	---	---	---
9	6.9	6.5	6.7	6.8	6.4	6.6	6.7	5.9	6.4	---	---	---
10	6.9	6.4	6.6	6.6	6.4	6.5	7.0	6.0	6.5	7.3	6.5	6.9
11	6.9	6.4	6.6	6.8	6.4	6.6	6.9	6.1	6.5	7.2	6.1	6.7
12	6.9	6.5	6.7	6.7	6.4	6.5	6.2	3.3	4.5	---	---	---
13	6.5	6.1	6.4	6.7	6.2	6.4	5.9	4.7	5.3	---	---	---
14	6.4	5.7	6.1	6.6	6.1	6.4	6.1	5.7	6.0	---	---	---
15	6.2	5.2	5.9	6.5	5.9	6.0	6.0	5.5	5.8	---	---	---
16	6.0	5.5	5.8	6.3	5.7	6.0	5.8	5.4	5.6	---	---	---
17	5.9	5.4	5.6	6.8	5.7	6.2	5.8	5.5	5.7	---	---	---
18	7.3	5.3	6.4	6.8	6.0	6.5	6.7	5.8	6.4	8.1	7.5	7.9
19	7.1	6.3	6.7	6.6	5.7	6.2	6.9	6.6	6.8	---	---	---
20	6.9	6.3	6.6	6.5	5.6	6.0	7.1	6.1	6.8	---	---	---
21	6.7	6.0	6.3	6.1	5.1	5.7	6.8	6.3	6.6	---	---	---
22	6.5	5.8	6.2	5.6	5.2	5.4	7.0	6.7	6.9	---	---	---
23	6.4	5.8	6.1	5.5	5.2	5.4	7.2	6.5	6.9	---	---	---
24	6.3	5.6	6.0	5.3	5.1	5.2	6.9	6.0	6.7	---	---	---
25	7.1	5.6	6.1	5.4	5.0	5.3	6.6	6.0	6.4	---	---	---
26	7.2	6.3	6.7	---	---	---	6.6	5.8	6.3	---	---	---
27	7.4	6.5	7.0	---	---	---	6.7	5.2	5.9	---	---	---
28	7.4	6.4	6.9	6.4	6.0	6.2	5.6	5.2	5.4	---	---	---
29	7.2	6.4	6.7	5.8	4.4	5.2	5.5	5.0	5.3	7.4	6.8	7.1
30	7.1	5.4	6.6	6.1	3.9	4.9	5.6	5.1	5.4	7.7	7.0	7.4
31	---	---	---	---	---	---	5.6	5.2	5.5	---	---	---

MOBILE RIVER BASIN

02430085 RED BUD CREEK NEAR MOORES MILL, MS

LOCATION.--Lat 34°28'00", long 89°17'00", in SW¼SE¼ sec.18, T.7 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, near left bank on upstream (revised) side of bridge on county road, 0.18 mi (0.29 km) south of intersection of county road and blacktop road, 2.7 mi (4.3 km) east-southeast of Moores Mill, and 5.6 mi (9.0 km) southwest of Belmont.

DRAINAGE AREA.--15.7 mi² (40.7 km²).

PERIOD OF RECORD.--June 1975 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Altitude of gage is 360 ft (110 m), from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--6 years, 24.2 ft³/s (0.685 m³/s), 20.93 in/yr (532 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 986 ft³/s (27.9 m³/s) Mar. 4, 1977, gage height, 11.16 ft (3.402 m); minimum, 1.6 ft³/s (0.045 m³/s) Aug. 10, 11, 14, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 350 ft³/s (9.91 m³/s) and maximum (*), from rating curve extended above 300 ft³/s (8.50 m³/s) on basis of conveyance computation at 12.6 ft (3.84 m):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 1	1400	410 11.6	9.17 2.795	Mar. 30	0130	*421 11.9	9.26 2.822

Minimum discharge, 1.6 ft³/s (0.045 m³/s) Aug. 10, 11, 14.

a From floodmark

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.1	8.0	20	8.6	210	13	39	6.5	6.1	5.1	2.6	4.0
2	5.7	7.0	13	8.6	102	12	27	5.9	8.3	6.1	2.7	4.1
3	4.8	6.6	12	8.8	41	12	23	5.7	7.8	4.4	2.5	3.9
4	4.6	6.4	11	8.6	30	62	27	5.3	16	4.0	2.2	10
5	4.4	6.2	11	8.3	23	53	31	5.3	7.4	9.3	2.0	5.0
6	4.4	6.0	11	13	21	28	21	5.5	6.5	30	1.9	3.5
7	4.4	5.8	11	16	19	22	19	5.9	6.3	5.0	2.1	3.2
8	4.4	5.6	11	12	19	18	17	5.7	6.5	3.6	2.1	3.4
9	4.4	5.6	16	11	17	17	19	5.9	5.5	3.2	1.9	3.2
10	4.6	7.0	14	9.8	40	16	18	6.5	4.8	2.9	1.7	2.8
11	4.4	6.4	12	9.6	25	16	16	6.3	8.1	2.9	1.8	2.7
12	4.3	7.0	11	11	18	15	15	6.3	8.8	2.8	1.8	2.7
13	4.4	25	11	10	18	15	14	5.9	5.5	2.6	1.9	3.1
14	4.6	56	11	10	18	14	13	5.9	4.6	2.5	1.8	3.2
15	4.6	70	10	9.3	17	15	12	5.7	4.1	2.5	1.8	4.0
16	4.8	37	10	8.8	20	16	12	5.7	4.0	2.3	1.9	4.0
17	5.0	104	9.6	8.3	22	13	11	15	3.6	2.2	2.0	3.2
18	6.0	50	9.6	8.8	18	17	10	9.3	3.6	2.6	5.3	3.1
19	5.4	34	9.3	9.3	17	14	9.8	7.6	4.0	2.7	4.1	3.2
20	5.0	29	8.8	18	15	13	22	6.5	4.6	2.8	3.8	3.2
21	5.0	27	8.8	22	15	12	17	5.7	4.1	4.1	4.0	3.2
22	6.0	25	9.1	15	15	44	13	5.1	8.1	3.4	3.5	3.2
23	5.0	29	9.6	13	14	23	15	4.6	4.0	2.8	3.2	3.1
24	7.0	27	16	12	13	19	13	4.4	3.8	2.8	3.1	3.1
25	20	24	12	12	12	17	10	7.1	3.8	2.8	2.7	3.5
26	10	30	11	12	12	16	8.8	13	5.0	2.8	2.6	3.8
27	48	69	10	12	12	15	8.1	14	4.1	2.8	2.3	3.8
28	42	37	10	10	12	14	7.4	7.8	4.0	4.0	2.3	3.6
29	15	30	10	10	---	28	8.6	6.3	4.0	3.1	2.3	3.4
30	10	27	9.3	9.8	---	157	7.6	5.3	4.1	2.9	2.3	3.4
31	9.0	---	10	9.8	---	48	---	5.0	---	2.6	2.7	---
TOTAL	274.3	807.6	348.1	345.4	815	794	484.3	210.7	171.1	133.6	78.9	144.7
MEAN	8.85	26.9	11.2	11.1	29.1	25.6	16.1	6.80	5.70	4.31	2.55	4.82
MAX	48	104	20	22	210	157	39	15	16	30	5.3	39
MIN	4.3	5.6	8.8	8.3	12	12	7.4	4.4	3.6	2.2	1.7	2.7
CFSM	.56	1.71	.71	.71	1.85	1.63	1.03	.43	.36	.28	.16	.31
IN.	.65	1.91	.82	.82	1.93	1.88	1.15	.50	.41	.32	.19	.34

CAL YR 1980 TOTAL 10565.2 MEAN 28.9 MAX 600 MIN 2.5 CFSM 1.84 IN 25.03
WTR YR 1981 TOTAL 4607.7 MEAN 12.6 MAX 210 MIN 1.7 CFSM .80 IN 10.92

02430615 MUD CREEK NEAR FAIRVIEW, MS

LOCATION.--Lat 34°23'32", long 88°21'17", in NW¼NE¼ sec.16, T.8 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, at left bank on downstream side of bridge on county road 3.0 mi (4.8 km) northwest of Fairview and 8.8 mi (14.2 km) north-northeast of Fulton.

DRAINAGE AREA.--11.1 mi² (28.7 km²).

PERIOD OF RECORD.--June 1975 to current year.

REVISED RECORDS.--WDR MS-78-1: 1976(P), 1977(P).

GAGE.--Water-stage recorder. Altitude of gage is 313 ft (95 m) from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--6 years, 16.7 ft³/s (0.473 m³/s), 20.43 in/yr (519 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 683 ft³/s (19.3 m³/s) Apr. 4, 1977, gage height, 9.37 ft (2.856 m), Sept. 25, 1977, minimum 1.4 ft³/s (0.040 m³/s) Aug. 10, 1981, gage height, 3.69 ft (1.125 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 196 ft³/s (5.55 m³/s) Feb. 1, gage height, 7.91 ft (2.411 m), no peak above base of 250 ft³/s (7.08 m³/s); minimum, 1.4 ft³/s (0.040 m³/s) Aug. 10, gage height, 3.69 ft (1.125 m).

DISCHARGE, IN CUPIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	7.8	12	10	105	12	19	6.4	4.7	7.6	2.0	5.8
2	6.2	7.6	12	10	41	11	14	6.0	4.9	7.4	2.0	7.6
3	6.2	7.8	12	10	17	10	14	5.8	4.6	6.7	1.9	16
4	6.0	7.8	12	10	14	48	17	5.6	5.0	6.0	1.9	6.2
5	6.2	7.4	12	10	12	29	17	5.5	4.6	11	2.0	4.2
6	6.3	7.2	12	16	12	14	13	5.4	4.6	20	1.8	3.8
7	6.7	7.4	12	13	11	13	13	6.0	6.5	4.1	1.7	3.7
8	6.7	7.2	11	11	11	12	12	5.8	6.0	3.4	1.7	3.7
9	6.7	7.2	19	11	11	12	23	5.6	5.0	3.2	1.6	3.6
10	6.5	7.2	14	11	29	12	15	6.0	4.5	3.1	1.5	3.8
11	6.3	7.0	12	10	15	11	13	6.0	19	3.4	1.7	3.2
12	6.3	7.0	12	10	12	11	12	5.8	16	3.1	1.7	3.4
13	6.5	7.2	12	9.9	11	11	12	5.5	9.6	2.9	1.7	3.3
14	6.5	42	12	9.6	11	11	12	5.5	8.4	2.6	1.6	3.6
15	6.5	58	12	10	11	12	11	5.3	7.6	2.0	1.7	4.7
16	6.7	12	12	10	13	13	11	5.3	7.0	2.0	1.7	4.7
17	7.0	82	12	10	14	11	11	9.0	6.9	2.0	1.7	3.8
18	7.8	31	11	10	11	15	11	6.5	6.5	2.2	7.0	3.7
19	7.2	17	11	10	11	12	11	6.3	6.5	2.7	2.8	3.7
20	6.9	14	11	24	11	12	15	6.0	7.2	2.6	2.6	3.7
21	6.9	13	11	18	11	11	13	5.7	6.5	3.0	4.6	3.6
22	6.9	13	11	11	11	37	10	5.3	5.8	2.4	2.8	3.4
23	7.0	16	11	11	11	14	13	5.0	5.7	2.2	2.3	3.4
24	8.2	13	15	11	10	12	12	5.0	5.3	2.1	2.1	3.3
25	8.0	12	12	11	10	12	10	5.8	5.5	2.0	2.0	3.4
26	7.6	20	11	11	10	11	9.0	8.8	5.5	2.0	1.9	3.4
27	32	47	11	11	10	11	8.0	10	5.0	1.9	1.8	3.6
28	23	17	11	11	10	11	7.0	5.8	5.2	2.0	1.8	3.7
29	8.0	14	11	11	---	25	9.0	6.3	5.2	2.0	1.8	3.4
30	7.6	13	12	11	---	83	7.0	5.3	5.5	2.0	1.8	3.2
31	7.8	---	10	11	---	20	---	4.9	---	1.9	3.2	---
TOTAL	254.7	529.8	371	353.5	466	539	374.0	187.2	200.3	121.5	68.4	130.6
MEAN	8.22	17.7	12.0	11.4	16.6	17.4	12.5	6.04	6.68	3.92	2.21	4.35
MAX	32	82	19	24	105	83	23	10	19	20	7.0	16
MIN	6.0	7.0	10	9.6	10	10	7.0	4.9	4.5	1.9	1.5	3.2
CFSM	.74	1.60	1.08	1.03	1.50	1.57	1.13	.54	.60	.35	.20	.39
IN.	.85	1.78	1.24	1.18	1.56	1.81	1.25	.63	.67	.41	.23	.44

CAL YR 1980 TOTAL 7158.4 MEAN 19.6 MAX 398 MIN 3.8 CFSM 1.77 IN 23.99
WTR YR 1981 TOTAL 3596.0 MEAN 9.85 MAX 105 MIN 1.5 CFSM .89 IN 12.05

MOBILE RIVER BASIN

02430880 CUMMINGS CREEK NEAR FULTON, MS

LOCATION.--Lat 34°18'16", long 88°22'16", in NE¼ sec.17, T.9 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on left bank at the downstream end of bridge on county road, 3.2 mi (5.2 km) northeast of Fulton, and 4.2 mi (6.8 km) upstream from mouth.

DRAINAGE AREA.--19.1 mi² (49.5 km²).

PERIOD OF RECORD.--July 22, 1975, to current year.

GAGE.--Water-stage recorder. Altitude of gage is 295 ft (90 m), from topographic map.

REMARKS.--Records good. Doubtful gage-height record, June 15-July 14.

AVERAGE DISCHARGE.--6 years, 32.5 ft³/s (0.920 m³/s), 23.11 in/yr (587 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge not determined; maximum gage height, 10.83 ft (3.301 m) May 8, 1978, from floodmark; minimum 3.3 ft³/s (0.088 m³/s) Aug. 14, 15, 16, 1981, gage height, 3.69 ft (1.125 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 342 ft³/s (9.69 m³/s) Mar. 30, gage height, 10.06 ft (3.066 m); minimum, 3.3 ft³/s (0.088 m³/s) Aug. 14, 15, 16, gage height, 3.69 ft (1.125 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

CAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	17	24	16	139	31	45	14	11	12	6.0	26
2	14	16	22	15	76	24	31	13	11	10	5.6	26
3	14	16	20	16	41	22	27	13	10	9.0	5.4	56
4	13	16	20	16	34	72	30	12	11	8.0	5.4	15
5	13	15	19	15	31	54	34	12	10	10	6.0	10
6	13	15	19	25	29	30	23	15	10	40	5.6	9.0
7	12	16	19	26	28	26	22	14	15	20	5.2	8.0
8	12	16	20	19	28	23	21	14	12	12	5.4	7.0
9	12	16	39	20	25	22	51	13	11	10	5.0	6.4
10	12	16	31	17	65	21	38	13	10	9.0	5.5	8.0
11	11	16	22	16	41	20	25	12	42	10	5.7	7.0
12	11	16	21	18	29	20	22	12	30	9.0	5.7	6.4
13	11	16	20	19	27	20	20	11	13	8.0	5.3	6.0
14	12	53	18	18	27	18	19	11	10	7.0	5.3	6.0
15	12	109	18	16	26	21	18	11	11	6.4	5.1	20
16	12	32	18	16	28	25	18	12	10	6.9	4.9	13
17	15	133	18	15	31	21	17	26	9.0	7.1	4.9	8.6
18	20	60	18	16	27	25	17	18	8.6	8.1	18	8.1
19	15	36	16	16	26	21	17	15	8.4	10	10	7.9
20	14	28	16	37	24	19	18	13	10	8.4	8.9	7.9
21	14	25	16	37	24	19	18	12	9.0	9.2	46	7.6
22	14	24	16	23	25	60	16	12	8.4	7.9	15	7.4
23	14	33	16	21	24	29	26	11	7.8	7.4	10	7.1
24	16	26	26	20	23	24	26	11	7.4	6.9	8.9	6.9
25	16	22	19	18	22	21	19	12	7.2	6.4	8.1	7.4
26	14	37	17	19	22	20	18	21	7.0	6.4	7.6	7.0
27	50	83	17	20	22	20	17	17	6.8	6.2	7.1	6.8
28	48	35	17	18	22	19	16	14	7.0	6.2	7.1	6.6
29	21	28	18	17	---	43	15	13	7.0	6.4	7.1	6.4
30	18	25	16	17	---	127	14	12	7.4	6.0	8.9	6.2
31	17	---	16	17	---	45	---	12	---	5.4	22	---
TOTAL	505	996	612	599	966	962	698	421	338.0	295.3	276.7	331.7
MEAN	16.3	33.2	19.7	19.3	34.5	31.0	23.3	13.6	11.3	9.53	8.93	11.1
MAX	50	133	39	37	139	127	51	26	42	40	46	56
MIN	11	15	16	15	22	18	14	11	6.8	5.4	4.9	6.0
CFSM	.85	1.74	1.03	1.01	1.81	1.62	1.22	.71	.59	.50	.47	.58
IN.	.98	1.94	1.19	1.17	1.88	1.87	1.36	.82	.66	.58	.54	.65
CAL YR 1980	TOTAL	13301.2	MEAN	36.3	MAX	450	MIN	6.9	CFSM	1.90	IN	25.90
WTR YR 1981	TOTAL	7000.7	MEAN	19.2	MAX	139	MIN	4.9	CFSM	1.01	IN	13.63

02431000 TOMBIGBEE RIVER NEAR FULTON, MS

LOCATION.--Lat 34°15'53", long 88°26'42", in SE¼ sec.27, T.9 S., R.8 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on left bank at downstream side of bridge on U.S. Highway 78, 1,000 ft (300 m) downstream from Twentymile-Fulton Canal, 2.2 mi (3.5 km) west of Fulton, 6.2 mi (10.0 km) upstream from Mantachie Creek Canal, 13.5 mi (21.7 km) downstream from Twentymile Creek Canal, and at mile 421.8 (678.7 km).

DRAINAGE AREA.--612 mi² (1,585 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to current year. Daily mean gage heights published since October 1971. Gage-height records collected at site 800 ft (240 m) upstream 1909-12 are contained in reports of National Weather Service. Prior to October 1966, published as East Fork Tombigbee River near Fulton.

REVISED RECORDS.--WSP 1032: 1944. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 242.93 ft (74.045 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 27, 1934, nonrecording gage at bridge 200 ft (60 m) upstream, and Oct. 27, 1934, to Aug. 22, 1939, nonrecording gage at present site, all at present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--53 years, 953 ft³/s (26.99 m³/s), 21.15 in/yr (537 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 82,200 ft³/s (2,330 m³/s) Mar. 22, 1955, gage height, 25.75 ft (7.849 m), from rating curve extended above 48,000 ft³/s (1,360 m³/s) on basis of estimate of flow made by indirect methods; minimum observed, 11 ft³/s (0.31 m³/s) Nov. 15, 1971 (temporary regulation); minimum unregulated, 12 ft³/s (0.34 m³/s) Aug. 31 to Sept. 2, 1943; minimum gage height, 0.87 ft (0.265 m) Aug. 12, 1930.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,940 ft³/s (112 m³/s) Feb. 2, gage height, 16.53 ft (5.038 m), no peak above base of 8,000 ft³/s (227 m³/s); minimum daily discharge, 58 ft³/s (1.64 m³/s) Aug. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	526	257	672	252	624	407	2070	268	688	113	68	182
2	418	230	526	244	2480	427	2010	242	1930	387	67	395
3	299	188	423	243	3270	405	1300	225	2270	244	66	892
4	209	170	368	235	2470	673	969	216	1160	156	66	655
5	164	135	337	228	1900	1920	922	199	1120	323	65	301
6	141	98	321	226	1360	1820	816	197	946	1110	64	177
7	127	88	312	273	1020	1390	748	194	816	605	63	138
8	117	56	308	312	835	1060	657	191	1070	370	63	116
9	114	135	342	319	686	789	663	194	877	251	63	107
10	111	139	401	256	694	649	798	298	625	181	59	99
11	103	134	382	266	920	559	714	554	587	144	52	94
12	98	119	368	241	809	494	628	306	1950	134	50	92
13	95	120	345	231	755	465	548	237	1950	116	49	87
14	92	185	316	248	660	441	475	199	1160	102	69	84
15	90	888	295	250	574	414	407	193	610	93	66	94
16	87	704	285	246	545	462	394	169	371	87	59	100
17	86	1040	275	234	1050	487	387	316	273	85	58	93
18	153	2170	270	224	1230	475	368	937	227	117	74	90
19	138	2320	265	219	944	531	361	616	194	116	86	88
20	117	1750	246	254	812	523	363	454	186	91	88	83
21	113	1190	231	441	685	489	558	327	174	87	140	80
22	111	834	228	533	591	683	487	254	163	94	135	77
23	115	621	239	523	536	964	472	205	144	92	100	77
24	114	516	262	475	480	884	565	177	131	87	87	75
25	114	461	282	409	460	789	504	164	122	83	80	76
26	122	431	302	360	420	643	434	607	113	78	75	75
27	164	1010	298	346	404	536	361	2810	109	75	66	73
28	501	1150	288	333	375	468	312	2160	109	74	62	70
29	498	992	275	302	---	442	261	1030	106	73	60	69
30	442	859	267	265	---	1670	287	676	104	74	67	70
31	382	---	260	250	---	2360	---	434	---	69	65	---
TOTAL	5961	19080	9989	9278	27589	24349	19839	15049	20285	5711	2232	4709
MEAN	192	636	322	299	985	785	661	485	676	184	72.0	157
MAX	526	2320	672	533	3270	2360	2070	2810	2270	1110	140	892
MIN	86	88	228	219	375	405	261	164	104	69	49	69
CFSM	.31	1.04	.53	.49	1.61	1.28	1.08	.79	1.11	.30	.12	.26
IN.	.36	1.16	.61	.56	1.68	1.48	1.21	.91	1.23	.35	.14	.29

CAL YR 1980 TOTAL 429998 MEAN 1175 MAX 25200 MIN 59 CFSM 1.92 IN 26.14
WTR YR 1981 TOTAL 164071 MEAN 450 MAX 3270 MIN 49 CFSM .74 IN 9.97

MOBILE RIVER BASIN

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02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1962-65, 1972 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STIFFAM- FLOW, INSTAN- TANEDUS (CFS)	SPE- CTIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 30 DAY (MG/L)	ALKA- LITY LAB (MG/L AS CACO3)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)
OCT 22...	1115	116	77	7.0	15.0	4.7	9.1	2.4	6.1	23	--
NOV 05...	1330	158	60	6.7	14.0	4.3	10.5	2.6	--	14	--
FEB 04...	1400	2470	65	7.1	3.5	45	13.2	2.5	--	17	--
MAR 03...	1215	401	83	7.1	12.0	5.9	10.6	3.7	--	17	--
JUN 01...	1415	779	158	7.7	25.5	280	6.5	1.9	--	70	.22
JUL 07...	1330	568	100	7.0	27.5	23	6.7	2.2	--	15	.29
AUG 04...	1645	65	95	7.2	30.0	20	8.2	1.4	--	26	--
SEP 09...	1330	110	100	7.0	24.0	19	8.1	1.1	--	24	--

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 22...	<.010	.02	.010	.01	.29	.30	.32	1.4	.060	.18	.020
NOV 05...	<.010	.02	.010	.01	.16	.17	.19	.84	.050	.15	.010
FEB 04...	<.010	.22	.070	.08	.34	.41	.63	2.8	.130	.40	--
MAR 03...	<.010	.04	.060	.07	.08	.14	.18	.80	.040	.12	<.010
JUN 01...	.180	.40	.300	.36	.58	.88	1.3	5.7	.620	1.9	.080
JUL 07...	.020	.31	.070	.08	.47	.54	.85	3.8	.140	.43	.060
AUG 04...	<.010	.07	.080	.10	.36	.44	.51	2.3	.070	.21	.020
SEP 09...	<.010	.14	.020	.02	.43	.45	.59	2.6	.060	.18	.020

MOBILE RIVER BASIN

02432500 BULL MOUNTAIN CREEK AT TREMONT, MS

LOCATION.--Lat 34°14'20", long 88°16'15", in NE¼SW¼ sec.5, T.10 S., R.10 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, near left bank on downstream side of bridge on U.S. Highway 78, 0.7 mi (1.1 km) northwest of Tremont, 1.5 mi (2.4 km) upstream from Johns Creek, 1.5 mi (2.4 km) upstream from Cypress Creek, 3.2 mi (5.1 km) upstream from Chubby Creek, and 8.0 mi (12.9 km) southeast of Fulton.

DRAINAGE AREA.--136 mi² (353 km²).

PERIOD OF RECORD.--October 1943 to September 1964; October 1973 to current year (low-water records only).

GAGE.--Water-stage recorder. Datum of gage is 317.39 ft (96.740 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 22, 1949, staff gage at same site and datum.

REMARKS.--Records good. No gage-height record Mar. 25 to May 11. Discharges over 200 ft³/s (5.66 m³/s) not determined.

AVERAGE DISCHARGE.--21 years (water years 1944-64), 212 ft³/s (6.004 m³/s), 21.17 in/yr (538 mm).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.28 ft (3.438 m) Mar. 21, 1955 (discharge not determined); minimum discharge, 4.6 ft³/s (0.13 m³/s) Sept. 13, 1954, gage height, 1.62 ft (0.494 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of March 1973 reached a stage of 13.1 ft (3.99 m) from floodmark by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 6.44 ft (1.963 m) Feb. 2 (discharge not determined); minimum discharge, 4.2 ft³/s (0.12 m³/s) Aug. 18, gage height, 1.62 ft (0.494 m).

DISCHARGE, IN CURIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125	60	109	59	161	114	---	48	32	48	19	10
2	77	56	99	56	---	130	---	45	33	102	18	38
3	60	52	90	55	---	113	---	43	33	122	17	42
4	49	51	82	56	---	119	---	42	39	74	16	46
5	42	48	78	51	202	---	195	40	38	66	15	29
6	37	47	76	52	194	---	165	38	32	174	13	20
7	35	47	73	86	178	---	140	37	30	136	12	16
8	34	47	71	85	168	193	125	36	29	97	12	14
9	34	45	85	70	154	170	120	35	27	72	12	12
10	32	46	140	64	178	155	---	35	24	57	11	11
11	30	43	113	59	---	146	180	37	39	47	9.5	9.2
12	28	40	96	54	---	137	150	37	77	42	8.6	9.0
13	26	41	88	49	199	130	125	32	64	37	8.1	9.3
14	27	45	82	63	184	122	105	30	43	32	8.1	8.0
15	28	154	76	60	172	114	94	28	32	29	7.7	13
16	28	149	75	56	166	120	85	27	27	27	7.2	65
17	30	144	72	51	184	116	78	51	24	25	6.8	46
18	35	---	69	47	175	112	73	72	22	28	8.0	23
19	42	180	66	48	167	133	68	65	20	41	10	18
20	39	134	61	57	157	115	64	58	20	27	15	15
21	33	111	57	140	148	106	62	43	21	24	30	14
22	30	97	57	121	140	146	70	36	19	23	20	13
23	33	100	58	99	137	193	64	31	16	25	60	13
24	35	124	70	91	126	158	86	28	15	12	30	13
25	72	102	96	84	119	145	100	29	14	19	20	12
26	64	93	76	81	114	128	80	79	85	19	15	12
27	49	190	70	83	109	115	66	88	73	18	12	12
28	182	196	66	87	106	105	60	69	32	17	1	12
29	133	150	64	77	---	100	56	52	23	21	10	13
30	82	125	63	72	---	---	52	43	71	19	9.4	13
31	67	---	60	70	---	---	---	35	---	23	9.0	---
TOTAL	1618	---	2438	2183	---	---	---	1369	1054	1503	460.4	580.5
MEAN	52.2	---	78.6	70.4	---	---	---	44.2	35.1	48.5	14.9	19.4
MAX	182	---	140	140	---	---	---	88	85	174	60	65
MIN	26	---	57	47	---	---	---	27	14	12	6.8	8.0
CFSM	.38	---	.58	.52	---	---	---	.33	.26	.36	.11	.14
IN.	.44	---	.67	.60	---	---	---	.37	.29	.41	.13	.16

02433000 BULL MOUNTAIN CREEK NEAR SMITHVILLE, MS

LOCATION.--Lat 34°05'18", long 88°23'26", in SW¼SE¼ sec.30, T.11 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on right bank at downstream side of old crossing 200 ft (60 m) upstream from bridge on State Highway 25, 0.8 mi (1.3 km) upstream from Mississippian Railway bridge, 1.1 mi (1.8 km) north of Smithville, and 3.5 mi (5.6 km) upstream from mouth.

DRAINAGE AREA.--336 mi² (870 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1940 to current year.

REVISED RECORDS.--WSP 1504: 1948. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 234.81 ft (71.570 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 15, 1948, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--41 years, 563 ft³/s (15.94 m³/s), 22.75 in/yr (578 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,400 ft³/s (1,260 m³/s) Mar. 16, 1973, gage height, 18.26 ft (5.566 m); minimum, 19 ft³/s (0.54 m³/s) Aug. 28 to Sept. 3, 1943 (period of doubtful gage-height record), Sept. 10, 13, 14, 15, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1926 reached a stage of 15.7 ft (4.785 m), from floodmark, discharge about 29,000 ft³/s (821 m³/s), from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,460 ft³/s (69.7 m³/s) Feb. 4, gage height, 9.68 ft (2.950 m), no peak above base of 5,000 ft³/s (142 m³/s); minimum, 34 ft³/s (0.96 m³/s) Aug. 17, 18, gage height, 2.08 ft (0.634 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	613	224	426	204	360	288	1660	164	144	111	53	53
2	371	221	369	202	1190	331	1310	160	129	216	54	104
3	241	216	331	202	1460	343	927	151	120	225	52	294
4	211	211	297	201	2100	396	710	144	125	222	48	217
5	186	207	274	201	1800	851	658	136	134	271	47	341
6	167	200	261	200	851	1120	645	129	136	375	45	165
7	150	195	252	227	645	1050	554	125	133	541	43	106
8	138	192	246	297	562	734	476	123	127	333	41	83
9	129	188	269	269	504	575	432	122	128	205	40	72
10	122	185	379	228	606	490	476	120	132	164	39	65
11	116	182	462	210	969	437	541	118	122	133	38	60
12	110	178	364	204	1130	400	435	116	202	113	37	57
13	104	174	316	204	826	371	383	116	360	103	37	52
14	100	171	288	202	623	350	347	116	224	95	36	51
15	96	175	267	202	554	329	314	114	157	88	35	54
16	93	624	254	202	517	325	280	113	125	81	35	60
17	91	810	247	201	534	345	254	113	110	76	34	84
18	90	999	236	200	577	339	243	114	95	73	37	108
19	93	1150	224	200	526	337	233	205	87	71	46	78
20	96	989	213	202	481	360	220	189	82	73	69	62
21	100	534	205	320	437	310	211	174	78	73	122	55
22	101	402	204	514	402	375	236	152	76	67	89	53
23	101	366	202	402	381	593	228	131	74	63	211	52
24	100	396	210	331	358	609	257	117	71	63	123	51
25	101	413	246	299	329	469	318	109	66	62	80	51
26	106	350	280	278	308	411	244	112	71	57	66	49
27	117	567	241	266	296	373	207	198	120	55	58	47
28	336	842	224	266	283	343	194	266	152	54	53	46
29	592	770	214	262	---	327	181	220	101	52	49	46
30	398	534	208	238	---	996	170	189	80	51	50	45
31	249	---	205	225	---	1250	---	164	---	52	50	---
TOTAL	5618	12665	8414	7659	19609	15827	13344	4520	3761	4218	1817	2661
MEAN	181	422	271	247	700	511	445	146	125	136	58.6	88.7
MAX	613	1150	462	514	2100	1250	1660	266	360	541	211	341
MIN	90	171	202	200	283	288	170	109	66	51	34	45
CFSM	.54	1.26	.81	.74	2.08	1.52	1.32	.44	.37	.41	.17	.26
IN.	.62	1.40	.93	.85	2.17	1.75	1.48	.50	.42	.47	.20	.29
CAL YR 1980	TOTAL	270753	MEAN 740	MAX 14800	MIN 49	CFSM 2.20	IN 29.98					
WTR YR 1981	TOTAL	100113	MEAN 274	MAX 2100	MIN 34	CFSM .82	IN 11.08					

MOBILE RIVER BASIN

02433000 BULL MOUNTAIN CREEK NEAR SMITHVILLE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1972, 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTANTANEOUS (CFS)	SPE- CIFIC CON- DUCTANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	ALKA- LITY LAH (MG/L AS CAC03)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 22...	1000	101	30	6.7	14.0	3.1	9.4	1.4	2.0	--	<.010
NOV 05...	1230	205	31	6.5	13.0	2.3	10.4	2.6	11	--	<.010
FEB 04...	1215	2020	27	6.1	3.0	32	13.2	2.7	2.0	--	<.010
AUG 06...	1400	42	27	7.2	24.5	7.9	7.3	1.8	15	--	<.010
SEP 09...	1230	76	28	6.7	23.0	18	8.0	1.6	8.0	.06	.010

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 22...	.03	.050	.06	.18	.23	.26	1.2	.020	.06	.010
NOV 05...	.04	<.010	--	.16	.16	.20	.89	.020	.06	.010
FEB 04...	.25	.010	.01	.41	.42	.67	3.0	.120	.37	--
AUG 06...	.12	.020	.02	.29	.31	.43	1.9	.010	.03	.020
SEP 09...	.07	.100	.12	.10	.20	.27	1.2	.030	.09	.012

02433500 TOMBIGBEE RIVER AT BIGBEE, MS

LOCATION.--Lat 34°00'42", long 88°30'50", in SW¼NE¼ sec.25, T.12 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, near right bank on downstream side of bridge on State Highway 6, 0.2 mi (0.3 km) upstream from St. Louis-San Francisco Railway bridge, 0.5 mi (0.8 km) southeast of Bigbee, 2.4 mi (3.9 km) northwest of Anory, 3.7 mi (6.0 km) upstream from Town Creek, and at mile 383.1 (616.4 km).

DRAINAGE AREA.--1,226 mi² (3,175 km²).

PERIOD OF RECORD.--October 1944 to September 1954, October 1963 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to October 1966, published as East Fork Tombigbee River at Bigbee.

REVISED RECORDS.--WSP 1504: 1946, 1948. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 190.00 ft (57.912 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Sept. 9, 1949, nonrecording gage at same site and datum. Water-stage recorder for Tombigbee River near Anory (station 02437000), 4.0 mi (6.4 km) downstream, used as an auxiliary gage for this station.

REMARKS.--Records good. Some regulation at low flow by Tennessee-Tombigbee Waterway construction upstream.

AVERAGE DISCHARGE.--28 years, 2,095 ft³/s (59.33 m³/s), 23.21 in/yr (590 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 112,000 ft³/s (3,170 m³/s) Mar. 17, 1973, gage height, 27.64 ft (8.425 m); minimum, 29 ft³/s (0.82 m³/s) Sept. 15, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of 1973 was the highest since at least 1890. The flood of Mar. 23, 1955, reached a stage of 26.2 ft (7.99 m), from Floodmark, discharge, 73,000 ft³/s (2,070 m³/s). Flood of December 1926 reached a stage of 24.2 ft (7.38 m), from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,540 ft³/s (129 m³/s) Mar. 30, gage height, 11.62 ft (3.542 m), no peak above base of 12,000 ft³/s (340 m³/s); minimum discharge, 100 ft³/s (2.83 m³/s) Aug. 14, gage height, 1.92 ft (0.585 m).

CORRECTION.--Minimum daily discharge for water year 1979 is 122 ft³/s (3.46 m³/s).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1530	715	1580	611	1040	851	3750	525	811	233	158	221
2	1160	609	1320	592	3630	927	3980	532	906	474	155	341
3	866	527	1110	577	3400	953	3390	476	1130	654	152	2180
4	665	471	944	561	4070	1140	2840	438	1660	563	150	1590
5	536	431	836	546	4640	2350	2290	425	1750	650	148	1280
6	446	402	776	541	3730	2650	1980	402	1470	1290	145	760
7	392	383	742	641	2930	2920	1730	398	1290	1460	143	477
8	357	374	728	763	2230	2660	1480	392	1140	1250	141	363
9	338	385	771	799	1770	2170	1320	392	1140	783	130	315
10	321	369	973	740	1670	1750	1370	395	1110	573	127	271
11	303	362	1060	683	2200	1410	1520	448	906	455	145	238
12	282	353	972	633	2150	1200	1370	740	1700	374	122	221
13	269	315	876	588	1960	1070	1220	561	1820	344	109	208
14	257	329	812	562	1620	1010	1090	472	1910	309	102	201
15	250	633	762	581	1440	959	977	428	1700	276	126	226
16	247	1310	722	596	1310	939	868	389	1150	252	138	295
17	249	1880	696	579	1370	979	800	379	709	235	122	307
18	278	3080	674	553	1600	1010	764	469	516	225	148	315
19	302	2580	650	559	1750	999	740	1030	428	240	172	255
20	298	2920	624	605	1690	1040	712	956	380	272	198	221
21	313	2590	603	942	1510	1000	752	747	354	244	292	206
22	318	2210	582	1190	1330	1130	862	589	336	222	293	188
23	299	1780	573	1190	1180	1620	846	492	323	214	373	178
24	298	1430	605	1060	1070	1760	879	426	289	219	351	175
25	341	1200	677	964	984	1590	969	384	267	210	257	165
26	344	1050	730	876	929	1420	900	861	253	194	217	163
27	391	1630	720	814	881	1240	776	1860	277	180	189	160
28	906	2070	683	786	855	1080	681	1970	325	170	168	152
29	1140	2090	659	754	---	992	616	1880	265	164	152	143
30	1110	1850	631	706	---	3200	554	1740	228	159	494	142
31	854	---	618	664	---	3630	---	1220	---	159	243	---
TOTAL	15660	36328	24709	22256	54939	47709	42026	22416	26543	13047	5860	11957
MEAN	505	1211	797	718	1962	1539	1401	723	885	421	189	399
MAX	1530	3080	1580	1190	4640	3630	3980	1970	1910	1460	494	2180
MIN	247	315	573	541	855	851	554	379	228	159	102	142
CFSM	.41	.49	.65	.59	1.60	1.26	1.14	.59	.72	.34	.15	.33
IN.	.48	1.10	.75	.68	1.67	1.45	1.28	.68	.81	.40	.18	.36
CAL YR 1980	TOTAL	873393	MEAN	2386	MAX	33400	MIN	152	CFSM	1.95	IN	26.50
WTR YR 1981	TOTAL	323450	MEAN	886	MAX	4640	MIN	102	CFSM	.72	IN	9.81

MOBILE RIVER BASIN

02435020 TOWN CREEK AT EASON BOULEVARD AT TUPELO, MS

LOCATION.--Lat 34°14'08", long 88°41'43", on line between secs.5 and 8, T.10 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, on left bank at downstream side of bridge on Eason Boulevard in Tupelo, 400 ft (120 m) upstream from Kings Creek, 0.2 mi (0.3 km) downstream from Mud Creek; 0.4 mi (0.6 km) downstream from St. Louis and San Francisco Railroad, and 2.0 mi (3.2 km) upstream from Tulip Creek.

DRAINAGE AREA.--233 mi² (603 km²), includes that of Kings Creek.

PERIOD OF RECORD.--October 1970 to current year. Daily mean gage heights published since October 1971.

REVISED RECORDS.--WDR MS 80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 230.00 ft (70.104 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Discharge includes flow of Kings Creek.

AVERAGE DISCHARGE.--11 years, 478 ft³/s (13.54 m³/s), 27.86 in/yr (708 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,600 ft³/s (640 m³/s) May 7, 1978, gage height, 27.08 ft (8.254 m); minimum, 1.9 ft³ (0.054 m³/s) Sept. 13, 1977, gage height, 2.62 ft (0.799 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,500 ft³/s (297 m³/s) May 26, gage height, 24.81 ft (7.562 m), only peak above base of 8,000 ft³/s (227 m³/s); minimum, 3.5 ft³/s (0.10 m³/s) Aug. 27, 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	30	123	36	378	170	1270	33	330	21	7.3	10
2	26	25	107	43	2330	100	491	29	662	17	6.0	24
3	16	24	86	53	468	80	359	24	693	47	5.3	290
4	14	22	72	48	292	769	311	20	654	30	5.6	254
5	12	21	69	41	239	1020	393	20	530	128	4.9	66
6	10	22	64	50	185	375	359	20	370	323	4.6	26
7	11	23	59	92	157	239	324	19	588	117	4.6	16
8	12	22	66	59	138	175	157	18	654	53	4.6	13
9	12	22	89	41	119	123	164	18	254	48	3.7	12
10	11	21	72	36	259	119	332	240	168	35	3.7	10
11	8.7	21	57	29	273	119	224	166	1320	28	3.7	10
12	7.7	20	53	23	138	130	182	75	846	24	4.0	10
13	7.3	15	48	25	111	123	164	57	1650	13	4.0	9.3
14	7.3	306	45	23	99	119	175	45	284	17	3.7	13
15	7.7	366	45	19	86	119	168	39	287	14	4.0	57
16	8.7	182	45	22	691	214	157	36	134	9.8	4.0	28
17	17	2950	41	22	924	138	138	136	123	8.2	4.6	14
18	12	830	41	17	381	192	123	214	96	11	9.8	12
19	10	278	39	20	243	178	115	111	89	8.7	7.3	11
20	8.2	170	36	53	173	111	128	57	125	6.4	7.3	9.8
21	8.2	151	35	256	142	119	157	45	99	12	6.0	9.3
22	9.3	140	35	119	130	392	96	39	74	11	5.3	8.7
23	10	128	38	74	110	346	80	36	57	10	4.6	7.3
24	11	121	61	59	96	208	113	28	47	9.3	4.6	6.8
25	11	113	48	47	86	168	80	41	39	8.2	3.7	6.4
26	11	175	39	45	78	138	53	5440	38	6.8	3.7	6.0
27	203	1510	36	50	72	126	41	4760	17	6.8	3.5	6.0
28	447	313	33	47	64	115	38	894	13	6.0	3.5	5.6
29	24	182	33	45	---	445	39	545	11	8.7	4.6	5.6
30	25	142	35	43	---	1720	41	385	21	8.2	5.6	5.6
31	36	---	36	47	---	564	---	313	---	6.4	6.4	---
TOTAL	1106.1	8345	1686	1584	8462	8954	6472	13903	10273	1052.5	154.2	962.4
MEAN	35.7	278	54.4	51.1	302	289	216	448	342	34.0	4.97	32.1
MAX	447	2950	123	256	2330	1720	1270	5440	1650	323	9.8	290
MIN	7.3	15	33	17	64	80	38	18	11	6.0	3.5	5.6
CFSM	.15	1.19	.23	.22	1.30	1.24	.93	1.92	1.47	.15	.02	.14
IN.	.18	1.33	.27	.25	1.35	1.43	1.03	2.22	1.64	.17	.02	.15

CAL YR 1980 TOTAL 165225.6 MEAN 451 MAX 10400 MIN 5.3 CFSM 1.94 IN 26.38
WTR YR 1981 TOTAL 62954.2 MEAN 172 MAX 5440 MIN 3.5 CFSM .74 IN 10.05

MOBILE RIVER BASIN

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02435020 TOWN CREEK AT EASON BOULEVARD AT TUPELO, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.30	3.00	---	3.02	5.14	---	10.25	3.02	4.77	2.97	2.77	2.82
2	2.97	2.96	---	3.06	14.44	---	5.96	2.98	6.99	2.94	2.74	2.89
3	2.87	2.95	---	3.11	5.79	---	5.00	2.95	7.18	3.17	2.72	4.53
4	2.84	2.92	3.19	3.09	4.50	7.65	4.64	2.91	6.95	3.07	2.73	4.27
5	2.82	2.92	3.18	3.05	4.10	9.00	5.25	2.91	6.17	3.66	2.71	3.19
6	2.79	2.92	3.16	3.09	3.76	5.12	5.00	2.91	5.08	4.73	2.70	2.97
7	2.80	2.93	3.14	3.26	3.60	4.10	4.74	2.90	6.47	3.40	2.70	2.87
8	2.81	2.92	3.16	3.13	3.50	3.70	3.60	2.89	6.78	3.13	2.70	2.83
9	2.81	2.92	3.25	3.05	3.40	3.42	3.64	2.89	4.22	3.12	2.67	2.81
10	2.80	2.91	3.19	3.01	4.25	3.40	4.80	4.32	3.66	3.05	2.67	2.79
11	2.76	2.91	3.13	2.97	4.35	3.40	4.00	---	9.32	3.01	2.67	2.79
12	2.74	2.90	3.11	2.91	3.50	3.46	3.74	---	8.20	2.99	2.68	2.79
13	2.73	2.86	3.09	2.94	3.36	3.42	3.64	---	12.56	2.87	2.68	2.77
14	2.73	4.60	3.07	2.92	3.30	3.40	3.70	---	4.46	2.91	2.67	2.82
15	2.74	5.65	3.07	2.88	3.26	3.40	3.66	3.01	4.47	2.89	2.68	3.11
16	2.76	3.74	3.07	2.91	7.19	3.94	3.60	2.99	3.51	2.82	2.68	2.97
17	2.84	16.14	3.05	2.92	8.50	3.50	3.50	3.60	3.46	2.79	2.70	2.84
18	2.82	7.99	3.05	2.88	5.15	3.80	3.42	3.97	3.35	2.84	2.80	2.82
19	2.79	4.38	3.04	2.91	4.13	3.72	3.38	3.36	3.36	2.80	2.77	2.80
20	2.75	3.66	3.02	3.13	3.69	3.36	3.45	3.15	3.50	2.75	2.77	2.78
21	2.75	3.56	3.01	4.22	3.52	3.40	3.60	3.09	3.37	2.85	2.74	2.77
22	2.77	3.50	3.01	3.40	---	5.24	3.29	3.06	3.28	2.84	2.72	2.76
23	2.79	3.44	3.03	3.22	---	4.90	3.24	3.03	3.22	2.83	2.70	2.73
24	2.80	3.40	3.15	3.16	---	3.90	3.37	2.98	3.17	2.81	2.70	2.72
25	2.80	3.35	3.09	3.10	---	3.66	3.24	3.04	3.13	2.79	2.67	2.71
26	2.80	3.68	3.04	3.09	---	3.50	3.13	16.48	3.12	2.76	2.67	2.70
27	4.05	11.32	3.02	3.12	---	3.44	3.07	21.33	2.95	2.76	2.66	2.70
28	5.58	4.64	3.00	3.10	---	3.38	3.05	8.68	2.90	2.74	2.66	2.69
29	2.95	3.72	3.00	3.09	---	5.63	3.06	6.29	2.87	2.80	2.69	2.69
30	2.94	3.50	3.01	3.08	---	12.28	3.07	5.19	2.99	2.79	2.73	2.69
31	3.04	---	3.02	3.10	---	6.42	---	4.66	---	2.75	2.75	---
MEAN	2.96	4.26	---	3.09	---	---	4.04	---	4.85	2.99	2.71	2.92
MAX	5.58	16.14	---	4.22	---	---	10.25	---	12.56	4.73	2.80	4.53
MIN	2.73	2.86	---	2.88	---	---	3.05	---	2.87	2.74	2.66	2.69

MOBILE RIVER BASIN

02436500 TOWN CREEK NEAR NETTLETON, MS

LOCATION.--Lat 34°03'32", long 88°37'40", in NW¼ sec.12, T.12 S., R.6 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160102, on right bank at downstream side of bridge on U.S. Highway 45, 1.5 mi (2.4 km) downstream from Chiwapa Creek (revised), and 2.1 mi (3.4 km) south of Nettleton.

DRAINAGE AREA.--620 mi² (1,606 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304. Prior to October 1970, published as West Fork Tombigbee River near Nettleton.

REVISED RECORDS.--WSP 1504: 1948. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 194.01 ft (59.134 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Oct. 1, 1947, at datum 10.00 ft (3.048 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--42 years, 946 ft³/s (26.79 m³/s), 20.72 in/yr (526 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 151,000 ft³/s (4,280 m³/s) Mar. 22, 1955, gage height, 33.88 ft (10.327 m); minimum, 0.8 ft³/s (0.023 m³/s) Sept. 14, 15, 1942.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1892, that of Mar. 22, 1955. Flood of Dec. 24, 1926, reached a stage of 32.5 ft (9.91 m), present datum, from floodmark.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 15,000 ft³/s (425 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 30	0100	*19400 549	24.47 7.458	May 26	1900	17900 507	25.61 7.806

Minimum daily discharge, 25 ft³/s (0.71 m³/s) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	457	74	310	92	4600	252	2770	82	768	119	48	107
2	201	79	266	88	5250	266	1240	76	1190	67	47	103
3	123	70	218	150	1420	208	792	73	1390	244	45	1750
4	85	62	186	130	896	2870	621	70	1570	107	44	613
5	63	56	170	110	648	3560	812	70	1000	252	46	144
6	50	50	161	100	515	1310	474	69	744	1050	46	80
7	45	47	150	94	427	800	368	70	892	287	52	58
8	42	45	150	290	381	558	313	70	1220	144	49	46
9	39	43	272	134	319	437	384	70	540	112	47	44
10	37	41	437	115	948	362	625	292	350	96	44	43
11	35	44	239	102	968	310	356	484	1040	83	42	41
12	31	50	191	95	414	269	272	150	1530	77	42	39
13	29	41	170	119	325	250	231	121	2700	71	42	38
14	27	37	155	115	304	231	208	100	652	64	43	37
15	27	107	140	107	289	206	179	82	519	59	48	255
16	30	1680	134	100	347	298	163	73	281	55	45	179
17	32	6340	124	85	2190	239	155	98	362	51	46	64
18	56	3380	117	80	1090	250	148	359	221	50	79	50
19	46	3140	114	87	676	287	146	228	170	46	66	45
20	34	598	110	148	484	208	138	142	255	43	55	41
21	30	353	108	992	378	187	226	110	175	61	52	37
22	29	275	104	394	337	1150	159	93	142	69	51	35
23	28	258	100	264	301	1090	148	83	124	59	50	34
24	30	307	120	213	252	491	175	76	107	55	44	32
25	42	247	200	184	228	356	134	128	93	52	43	30
26	32	201	140	163	206	298	107	7980	82	49	41	30
27	29	2730	112	159	196	261	95	8620	69	47	41	28
28	1840	1750	104	159	184	231	88	2730	51	67	37	27
29	598	625	100	140	---	772	88	1370	47	59	37	26
30	175	404	98	134	---	7640	90	1000	71	53	121	25
31	95	---	94	123	---	1710	---	768	---	50	43	---
TOTAL	4417	23134	5094	5266	24573	27357	11705	25737	18355	3698	1536	4081
MEAN	142	771	164	170	878	882	390	830	612	119	49.5	136
MAX	1840	6340	437	992	5250	7640	2770	8620	2700	1050	121	1750
MIN	27	37	94	80	184	187	88	69	47	43	37	25
CFSM	.23	1.24	.27	.27	1.42	1.42	.63	1.34	.99	.19	.08	.22
IN.	.27	1.39	.31	.32	1.47	1.64	.70	1.54	1.10	.22	.09	.24
CAL YR 1980	TOTAL	422622	MEAN	1155	MAX	21200	MIN	17	CFSM	1.86	IN	25.36
WTR YR 1981	TOTAL	154953	MEAN	425	MAX	8620	MIN	25	CFSM	.69	IN	9.30

02436500 TOWN CREEK NEAR NETTLETON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1962-65, 1968, 1974 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	ALKA- LITY LAH AS (CAC03)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT											
22...	1300	29	442	9.0	20.5	5.3	15.8	8.4	120	.43	.150
NOV											
04...	1145	68	345	7.9	18.5	1.0	11.2	4.7	110	.43	.110
FEB											
02...	1030	6450	189	7.7	5.5	50	11.2	3.7	49	.49	.030
AUG											
05...	0930	46	280	6.7	28.0	25	8.1	7.5	74	.59	.260
SEP											
08...	1020	46	290	7.8	25.5	17	9.0	6.4	100	.12	.030

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT										
22...	.58	.030	.04	2.0	2.00	2.6	11	1.20	3.7	.830
NOV										
04...	.54	.420	.51	.78	1.20	1.7	7.7	.630	1.9	.410
FEB										
02...	.52	.160	.19	.23	.39	.91	4.0	.500	1.5	--
AUG										
05...	.85	.410	.50	1.1	1.50	2.4	10	.620	1.9	.010
SEP										
08...	.15	.030	.04	.95	.98	1.1	5.0	.520	1.6	.350

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)
APR				
03...	1315	905	404	987
MAY				
14...	1310	87	70	16
JUN				
22...	1500	139	91	34
AUG				
11...	1030	42	71	8.1

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM
MAY									
14...	1312	25.0	0	2	16	87	99	99	100
14...	1314	50.0	0	1	8	79	99	100	--
14...	1316	75.0	1	2	32	96	100	--	--

02437000 TOMBIGBEE RIVER NEAR AMORY, MS

LOCATION.--Lat 33°59'07", long 88°33'03", in NW¼NE¼ sec.3, T.13 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, near right bank on downstream side of bridge on U.S. Highway 278, 0.3 mi (0.5 km) downstream from Town Creek, 3.5 mi (5.6 km) west of Amory, and at mile 378.9 (609.7 km).

DRAINAGE AREA.--1,928 mi² (4,994 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1937 to current year. Monthly discharge only for October and November 1937, published in WSP 1304. Daily mean gage heights published since October 1971.

REVISED RECORDS.--WSP 1504: 1948. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 178.34 ft (54.358 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 10, 1939, nonrecording gage at site 1,500 ft (460 m) upstream at same datum. Oct. 10, 1939, to Oct. 16, 1948, nonrecording gage at present site and datum. Water-stage recorder for station at Aberdeen (station 02437500), 20 mi (32 km) downstream, was used as an auxiliary gage for this station 1950-58.

REMARKS.--Records good. Some regulation at low flow by Tennessee-Tombigbee Waterway construction upstream.

AVERAGE DISCHARGE.--44 years, 3,087 ft³/s (87.42 m³/s), 21.74 in/yr (552 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 ft³/s (4,590 m³/s) Mar. 17, 1973, gage height, 34.65 ft (10.561 m); minimum discharge, 45 ft³/s (1.27 m³/s) Sept. 20, 1954; minimum gage height, 0.77 ft (0.235 m) Sept. 1, 1943.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1892 reached a stage of 33.5 ft (10.21 m) and the flood of December 1926 reached a stage of 31.5 ft (9.60 m), from Corps of Engineers profiles.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,400 ft³/s (379 m³/s) Mar. 30, gage height, 20.98 ft (6.395 m), no peak above base of 15,000 ft³/s (425 m³/s); minimum, 157 ft³/s (4.45 m³/s) Aug. 14, gage height, 4.86 ft (1.481 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2560	801	2260	687	2840	1100	6780	592	1770	375	219	316
2	1660	671	1870	663	10800	1220	6450	563	2180	587	219	362
3	1170	579	1490	653	6480	1180	5030	511	2530	864	211	3680
4	827	511	1240	638	5120	3330	4260	478	3490	734	213	2640
5	630	467	1080	617	5180	6850	3830	459	3060	838	214	1650
6	503	433	997	612	4650	4800	3150	441	2490	2880	206	916
7	434	415	945	811	3870	4230	2680	443	2420	2070	206	560
8	394	405	922	909	3200	3760	2270	434	2520	1670	201	425
9	375	412	1020	898	2550	3130	1990	431	1880	989	187	363
10	355	397	1520	820	2730	2530	2320	513	1630	710	181	312
11	336	399	1420	751	3810	2020	2250	943	1670	560	195	276
12	308	392	1250	678	3040	1660	1970	831	3640	465	178	255
13	290	350	1100	635	2730	1460	1680	605	4130	422	164	238
14	280	359	999	634	2250	1350	1480	518	3140	375	158	231
15	271	1930	922	640	1970	1250	1290	473	2570	344	187	335
16	271	1880	873	648	1800	1270	1120	439	1820	314	198	535
17	273	4970	832	622	3400	1290	1020	444	1160	290	180	368
18	322	8850	799	594	3140	1290	961	823	873	277	243	341
19	347	4590	769	579	2820	1350	926	1430	682	286	266	282
20	333	3860	730	618	2560	1290	875	1270	691	315	268	248
21	341	3480	700	1810	2210	1210	920	915	604	302	341	232
22	344	3010	680	1670	1880	1820	1030	683	531	301	338	216
23	326	2510	673	1520	1630	3220	1000	537	489	291	374	206
24	331	2090	713	1290	1430	2610	1050	471	435	286	362	202
25	387	1670	821	1130	1270	2250	1120	436	389	277	288	193
26	379	1410	835	1010	1180	1930	1010	3980	357	259	253	191
27	414	4990	818	928	1100	1640	851	11600	362	248	230	186
28	2780	3980	770	893	1060	1390	741	7680	392	249	211	179
29	1680	3120	741	843	---	1250	680	3870	326	239	196	171
30	1400	2670	711	785	---	10200	620	3230	277	230	614	170
31	1000	---	694	734	---	8360	---	2450	---	229	293	---
TOTAL	21321	61601	31194	26320	86700	82240	61354	48493	48508	18276	7594	16279
MEAN	688	2053	1006	849	3096	2653	2045	1564	1617	590	245	543
MAX	2780	8850	2260	1810	10800	10200	6780	11600	4130	2880	614	3680
MIN	271	350	673	579	1060	1100	620	431	277	229	158	170
CFSM	.36	1.07	.52	.44	1.61	1.38	1.06	.81	.84	.31	.13	.28
IN.	.41	1.19	.60	.51	1.67	1.59	1.18	.94	.94	.35	.15	.31

CAL YR 1980 TOTAL 1378999 MEAN 3768 MAX 42600 MIN 180 CFSM 1.95 IN 26.61
WTR YR 1981 TOTAL 509880 MEAN 1397 MAX 11600 MIN 158 CFSM .73 IN 9.84

MOBILE RIVER BASIN

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02437000 TOMBIGBEE RIVER NEAR AMORY, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.60	7.32	9.78	6.81	10.27	7.78	16.41	6.54	9.03	5.93	5.19	5.60
2	9.01	7.02	9.19	6.75	15.59	8.03	16.02	6.46	9.66	6.53	5.18	5.77
3	8.06	6.77	8.56	6.72	15.99	7.95	14.05	6.30	10.21	7.22	5.15	11.95
4	7.38	6.56	8.08	6.67	14.19	11.27	12.89	6.20	11.68	6.93	5.15	10.37
5	6.91	6.43	7.75	6.62	14.28	16.54	12.21	6.13	11.00	7.16	5.16	8.82
6	6.54	6.32	7.57	6.60	13.48	13.71	11.15	6.07	10.14	10.74	5.12	7.36
7	6.32	6.25	7.45	7.12	12.28	12.84	10.44	6.08	10.03	9.49	5.12	6.45
8	6.18	6.22	7.40	7.37	11.22	12.09	9.81	6.05	10.19	8.85	5.10	6.02
9	6.11	6.24	7.61	7.34	10.23	11.12	9.37	6.04	9.20	7.54	5.02	5.79
10	6.04	6.19	8.61	7.15	10.52	10.20	9.88	6.27	8.79	6.87	4.99	5.59
11	5.97	6.20	8.43	6.98	12.18	9.42	9.76	7.43	8.80	6.45	5.06	5.44
12	5.87	6.17	8.10	6.78	10.98	8.85	9.34	7.18	11.92	6.15	4.98	5.35
13	5.80	6.02	7.79	6.66	10.50	8.49	8.89	6.58	12.68	6.00	4.90	5.27
14	5.76	6.05	7.57	6.66	9.78	8.29	8.54	6.32	11.14	5.84	4.87	5.24
15	5.72	9.32	7.40	6.68	9.35	8.10	8.18	6.18	10.26	5.72	5.02	5.67
16	5.72	9.42	7.28	6.70	9.08	8.13	7.84	6.07	9.08	5.61	5.08	6.36
17	5.73	13.82	7.18	6.63	11.54	8.18	7.62	6.08	7.92	5.51	4.99	5.81
18	5.92	18.20	7.10	6.55	11.13	8.18	7.48	6.96	7.28	5.45	5.29	5.71
19	6.01	13.38	7.02	6.51	10.65	8.29	7.41	8.10	6.79	5.49	5.40	5.47
20	5.96	12.25	6.92	6.62	10.25	8.17	7.29	7.79	6.82	5.61	5.41	5.32
21	5.99	11.65	6.84	9.04	9.71	8.02	7.39	7.16	6.58	5.56	5.71	5.25
22	6.00	10.94	6.79	8.86	9.21	9.04	7.64	6.68	6.38	5.55	5.70	5.17
23	5.93	10.17	6.77	8.60	8.79	11.26	7.58	6.38	6.27	5.51	5.83	5.12
24	5.95	9.53	6.88	8.17	8.43	10.33	7.69	6.17	6.11	---	5.79	5.10
25	6.15	8.86	7.15	7.86	8.14	9.77	7.82	6.06	5.97	---	5.50	5.06
26	6.13	8.41	7.19	7.59	7.95	9.28	7.60	11.88	5.87	---	5.34	5.04
27	6.25	13.94	7.15	7.41	7.80	8.81	7.23	20.06	5.89	---	5.24	5.02
28	10.94	12.44	7.03	7.33	7.70	8.37	6.95	16.94	5.98	5.32	5.15	4.98
29	9.05	11.10	6.95	7.21	---	8.10	6.79	12.28	5.77	5.28	5.07	4.94
30	8.52	10.42	6.87	7.07	---	18.70	6.62	11.27	5.60	5.24	6.47	4.93
31	7.74	---	6.83	6.93	---	17.76	---	10.07	---	5.23	5.51	---
MEAN	6.78	9.12	7.52	7.16	10.90	10.16	9.26	7.93	8.43	---	5.27	6.00
MAX	10.94	18.20	9.78	9.04	15.59	18.70	16.41	20.06	12.68	---	6.47	11.95
MIN	5.72	6.02	6.77	6.51	7.70	7.78	6.62	6.04	5.60	---	4.87	4.93

CAL YR 1980 MEAN 10.25 MAX 28.02 MIN 5.29

MOBILE RIVER BASIN

02437000 TOMBIGBEE RIVER NEAR AMORY, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963-64, 1972 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 30 DAY (MG/L)	ALKA- LITY LAB (MG/L AS CACO3)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)
OCT											
22...	1400	344	101	7.6	18.0	5.4	10.1	1.4	5.8	26	.06
NOV											
04...	1240	506	118	7.2	14.5	2.9	9.7	3.0	--	26	.13
FEB											
02...	1145	12100	151	7.8	6.0	55	10.8	3.3	--	46	.51
MAR											
03...	1030	1190	130	7.3	12.5	4.7	10.5	2.9	--	31	.13
JUN											
01...	1600	1770	150	7.6	26.0	75	7.6	2.6	--	68	.25
JUL											
07...	1115	2030	110	7.2	26.0	200	6.7	2.9	--	38	.34
AUG											
05...	1225	212	130	7.3	29.0	23	7.8	2.4	--	40	.04
SEP											
08...	1115	426	93	6.9	25.0	32	7.6	2.4	--	26	--

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT											
22...	.010	.07	.020	.02	.40	.42	.49	2.2	.160	.49	.100
NOV											
04...	.020	.15	.030	.04	.52	.55	.70	3.1	.140	.43	.080
FEB											
02...	.020	.53	.110	.13	.80	.91	1.4	6.4	.500	1.5	--
MAR											
03...	.020	.15	.070	.08	.11	.18	.33	1.5	.090	.28	.050
JUN											
01...	.040	.29	.070	.08	.70	.77	1.1	4.7	.240	.74	.050
JUL											
07...	.050	.39	.140	.17	.96	1.10	1.5	6.6	.390	1.2	.060
AUG											
05...	.030	.07	.060	.07	.67	.73	.80	3.5	.270	.83	.140
SEP											
08...	<.010	.12	.030	.04	.40	.43	.55	2.4	.110	.34	.050

02437500 TOMBIGBEE RIVER AT ABERDEEN, MS

LOCATION.--Lat 33°49'14", long 88°31'07", in N½ sec.27, T.14 S., R.19 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160101, on left bank at downstream side of bridge on U.S. Highway 45, 1.3 mi (2.1 km) downstream from St. Louis-San Francisco Railway bridge, 1.5 mi (2.4 km) east of Aberdeen, 2.0 mi (3.2 km) downstream from Matubby Creek, 6 mi (10 km) downstream from Halfway Creek, and 13.3 mi (21.4 km) upstream from McKinley Creek, and at mile 360.2 (579.6 km).

DRAINAGE AREA.--2,171 mi² (5,623 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to September 1958, October 1958 to September 1971 (annual maximums only), October 1971 to current year. Daily mean gage-heights published since October 1971. Gage-height records collected at site 1.3 mi (2.1 km) upstream since 1909 are contained in reports of National Weather Service.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 154.71 ft (47.156 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Nov. 5, 1934, nonrecording gage at site 1.3 mi (2.1 km) upstream, and Nov. 6, 1934 to Aug. 30, 1939, nonrecording gage at present site, all at present datum.

REMARKS.--Records good prior to Jan. 30 and above 400 ft³/s (11 m³/s) and poor otherwise due to variable backwater from Columbus Lock and Dam. Some regulation at low flow by Tennessee-Tombigbee Waterway construction upstream.

AVERAGE DISCHARGE.--40 years, 3,310 ft³/s (93.73 m³/s), 20.70 in/yr (526 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 123,000 ft³/s (3,480 m³/s) Mar. 18, 1973, gage height, 45.02 ft (13.722 m); maximum gage height, 45.3 ft (13.81 m) Mar. 23, 1955, at former site; minimum discharge, 58 ft³/s (1.64 m³/s) Sept. 1, 2, 1943; minimum gage height, 0.77 ft (0.235 m) Sept. 12, 13, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood on Apr. 20, 1892, reached a stage of 44.8 ft (13.6 m) at former site.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,500 ft³/s (297 m³/s) Apr. 1, gage height, 25.70 ft (7.833 m); minimum daily, 180 ft³/s (5.10 m³/s) Aug. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3630	912	2290	814	1440	1230	10200	713	2080	310	250	331
2	1930	779	1970	800	7330	1370	9420	697	2050	443	245	397
3	1310	687	1670	780	8610	1400	7450	647	2320	678	245	1820
4	968	612	1420	767	6670	1730	5400	614	3300	963	235	2850
5	765	557	1250	749	5240	5950	4210	596	3110	768	240	1940
6	632	516	1150	737	4700	6210	3510	562	2640	2140	235	1320
7	547	492	1080	827	3930	4620	2850	539	2260	2210	230	772
8	492	476	1040	1060	3270	3800	2460	525	2340	1800	225	530
9	459	471	1070	1060	2690	3250	2180	524	2160	1330	220	422
10	437	466	1520	1010	2630	2720	2180	528	1760	892	205	358
11	416	455	1660	926	4180	2250	2280	807	1540	687	205	346
12	392	457	1460	850	3450	1900	2140	970	2560	557	220	307
13	369	439	1290	782	2880	1670	1890	864	3180	474	200	262
14	356	412	1170	766	2520	1540	1660	664	3460	432	180	294
15	343	829	1090	776	2220	1450	1480	586	2460	389	200	316
16	337	1960	1020	782	2030	1410	1310	535	2070	364	220	522
17	339	2700	979	754	2560	1460	1170	548	1390	340	200	513
18	362	6520	942	732	3310	1470	1080	655	1050	320	260	396
19	410	6380	911	715	2840	1510	1040	1510	780	310	300	357
20	410	4180	866	751	2610	1500	997	1570	666	314	308	318
21	388	3330	832	1220	2360	1450	943	1200	655	335	342	258
22	395	2880	807	1940	2100	1630	1050	939	572	314	395	239
23	384	2500	795	1590	1880	2970	1120	759	506	320	370	228
24	414	2210	799	1360	1690	2810	1150	661	469	306	451	219
25	506	1860	880	1210	1520	2440	1240	584	454	300	362	208
26	523	1590	951	1140	1400	2140	1270	1500	387	290	319	200
27	492	3770	955	1090	1310	1900	1100	6270	383	280	284	200
28	2140	5120	918	1030	1240	1670	970	8260	407	280	252	195
29	2350	3370	879	980	---	1530	875	6590	413	270	230	190
30	1510	2710	850	967	---	6080	794	3680	340	265	302	190
31	1160	---	825	909	---	10200	---	2580	---	260	572	---
TOTAL	25166	59640	35339	29874	88610	83260	75419	47677	47762	18941	8502	16498
MEAN	812	1988	1140	964	3165	2686	2514	1538	1592	611	274	550
MAX	3630	6520	2290	1940	8610	10200	10200	8260	3460	2210	572	2850
MIN	337	412	795	715	1240	1230	794	524	340	260	180	190
CFSM	.37	.42	.53	.44	1.46	1.24	1.16	.71	.73	.28	.13	.25
IN.	.43	1.02	.61	.51	1.52	1.43	1.29	.82	.82	.32	.15	.28
CAL YR 1980 TOTAL	1518721			4150	39500	211	1.91	26.02				
WTR YR 1981 TOTAL	536688			1470	10200	180	.68	9.20				

MOBILE RIVER BASIN

02437500 TOMBIGBEE RIVER AT ABERDEEN, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.35	9.26	12.79	8.49	11.04	10.56	25.50	9.19	12.72	---	8.00	8.21
2	12.25	8.79	11.97	8.43	22.66	10.53	24.83	9.15	12.65	8.48	7.96	8.35
3	10.51	8.45	11.16	8.37	24.11	11.00	22.92	9.01	13.32	9.09	8.00	12.00
4	9.45	8.16	10.43	8.32	21.95	11.82	19.98	8.92	15.67	9.85	7.99	14.60
5	8.74	7.94	9.92	8.25	19.72	20.89	17.70	8.88	15.22	9.34	7.99	12.36
6	8.24	7.77	9.59	8.21	18.72	21.36	16.15	8.79	14.08	12.81	7.94	10.80
7	7.90	7.67	9.39	8.53	17.11	18.54	14.59	8.72	13.18	13.05	7.97	9.34
8	7.67	7.60	9.25	9.30	15.60	16.82	13.67	8.69	13.37	12.02	8.00	8.70
9	7.53	7.58	9.34	9.33	14.21	15.54	12.96	8.68	12.92	10.81	7.88	8.42
10	7.43	7.56	10.69	9.13	14.06	14.28	12.97	8.69	11.92	9.67	7.85	8.26
11	7.34	7.51	11.11	8.87	17.64	13.14	13.21	9.44	11.36	9.12	7.94	8.24
12	7.23	7.52	10.55	8.61	16.01	12.28	12.88	9.87	13.87	8.77	7.99	8.16
13	7.12	7.44	10.02	8.37	14.68	11.70	12.26	9.59	15.37	8.55	7.97	8.07
14	7.06	7.32	9.66	8.31	13.80	11.37	11.66	9.05	16.04	8.44	7.87	8.13
15	7.00	8.83	9.40	8.35	13.07	11.12	11.20	8.85	13.67	8.34	7.82	8.17
16	6.97	12.35	9.20	8.37	12.60	11.02	10.76	8.71	12.71	8.28	7.85	8.68
17	6.98	14.08	9.05	8.27	13.90	11.17	10.39	8.75	10.98	8.15	7.86	8.66
18	7.09	21.73	8.93	8.19	15.69	11.17	10.17	9.03	10.07	8.08	7.98	8.35
19	7.31	21.41	8.82	8.13	14.59	11.30	10.06	11.28	9.37	8.06	8.21	8.26
20	7.31	17.14	8.67	8.26	14.02	11.26	9.94	11.42	9.06	8.17	8.16	8.18
21	7.20	15.28	8.55	9.78	13.42	11.14	9.80	10.48	9.03	8.21	8.23	8.06
22	7.24	14.24	8.46	11.90	12.77	11.58	10.09	9.79	8.81	8.17	8.35	8.03
23	7.19	13.32	8.42	11.35	12.23	14.88	10.28	9.31	8.64	8.18	8.29	8.01
24	7.33	12.58	8.43	10.83	11.74	14.50	10.35	9.05	8.54	8.15	8.49	8.00
25	7.73	11.67	8.71	10.40	11.31	13.62	10.58	8.84	8.50	8.14	8.28	7.98
26	7.80	10.91	8.95	10.09	11.00	12.87	10.67	11.13	8.33	8.10	8.18	7.97
27	7.67	16.05	8.97	9.90	10.76	12.26	10.22	21.35	8.32	8.07	8.11	7.98
28	12.59	19.04	8.84	9.87	10.58	11.68	9.87	23.78	8.38	8.11	8.05	7.95
29	13.32	15.37	8.71	9.95	---	11.33	9.62	21.74	8.40	8.06	8.01	7.92
30	11.12	13.83	8.61	9.85	---	20.23	9.41	16.51	---	8.04	8.19	7.95
31	10.06	---	8.52	9.71	---	25.46	---	13.96	---	8.04	8.81	---
MEAN	8.60	11.61	9.52	9.15	14.96	13.77	13.16	10.99	---	---	8.07	8.79
MAX	16.35	21.73	12.79	11.90	24.11	25.46	25.50	23.78	---	---	8.81	14.60
MIN	6.97	7.32	8.42	8.13	10.58	10.56	9.41	8.68	---	---	7.82	7.92

CAL YR 1980 MEAN 14.00 MAX 38.69 MIN 6.45

02437500 TOMBIGBEE RIVER AT ABERDEEN, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1972 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHNS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 30 DAY (MG/L)	ALKA- LITY LAB (MG/L AS CACO3)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)
OCT 21...	1600	387	126	7.4	17.0	5.8	9.4	2.5	7.0	30	.14
NOV 05...	1000	571	115	6.8	13.0	3.2	10.4	2.5	--	27	.15
FEB 03...	1500	8690	110	7.2	5.5	40	11.4	2.7	--	30	.43
MAR 03...	0930	1410	140	7.3	13.0	6.0	10.0	3.2	--	31	.18
JUN 02...	1045	1930	155	7.5	25.5	75	6.8	.9	--	72	.36
JUL 07...	1000	2240	98	7.1	26.5	120	6.1	2.8	--	34	.58
AUG 05...	1600	640	145	7.7	31.0	7.0	9.8	4.4	--	51	--
SEP 08...	1430	508	97	7.0	26.0	30	8.0	2.2	--	28	.47

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 21...	.020	.16	.060	.07	.48	.54	.70	3.1	.180	.55	.100
NOV 05...	.010	.16	.020	.02	.28	.30	.46	2.0	.110	.34	.040
FEB 03...	.020	.45	.110	.13	.42	.53	.98	4.3	.310	.95	--
MAR 03...	.010	.19	.050	.06	.34	.39	.58	2.6	.200	.61	.060
JUN 02...	.040	.40	.080	.10	.67	.75	1.2	5.1	.210	.64	.060
JUL 07...	.040	.62	.140	.17	.58	.72	1.3	5.9	.100	.31	.100
AUG 05...	<.010	.02	.030	.04	.67	.70	.72	3.2	.130	.40	.010
SEP 08...	.130	.60	.060	.07	.42	.48	1.1	4.8	.110	.34	.040

MOBILE RIVER BASIN

02437560 NICHOLS CREEK NEAR ABERDEEN, MS

LOCATION.--Lat 33°48'53", long 88°29'20", in SW¼ sec.25, T.14 S., R.19 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160101, at downstream side of bridge on U.S. Highway 45, 0.1 mi (0.2 km) northwest of intersection of U.S. Highway 45 and State Highways 8/25, and 3.1 mi (5.0 km) southeast of Aberdeen.

DRAINAGE AREA.--24.1 mi² (62.4 km²).

PERIOD OF RECORD.--Water years 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHQS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, RIN- CHEM- ICAL, 5 DAY (MG/L)	ALKA- LINIT- LAR (MG/L AS CAC03)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 21...	1500	8.9	38	6.8	16.5	5.8	9.2	1.5	15	--	<.010
NOV 05...	1115	13	26	6.3	13.5	33	10.4	2.0	8.0	.00	.030
FEB 04...	1050	30	32	7.0	3.5	10	14.0	2.4	3.0	--	<.010
AUG 06...	1700	1.3	56	6.9	26.0	11	6.8	1.7	21	--	<.010
SEP 08...	1300	3.1	42	6.6	23.0	13	7.6	1.4	16	--	.010

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 21...	.02	.030	.04	.27	.30	.32	1.4	.030	.09	.020
NOV 05...	.02	.050	.06	.13	.18	.20	.89	.240	.74	.010
FEB 04...	.09	.050	.06	.20	.25	.34	1.5	.080	.25	--
AUG 06...	.10	.050	.06	.33	.38	.48	2.1	.020	.06	<.010
SEP 08...	<.01	.020	.02	.20	.22	--	--	.030	.09	.020

MOBILE RIVER BASIN

55

02437600 JAMES CREEK AT ABERDEEN, MS

LOCATION.--Lat 33°48'48", long 88°33'59", in SE¼ sec.33, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, at downstream side of bridge on State Highway 25, 0.8 mi (1.3 km) southwest of Aberdeen, and 1.5 mi (2.4 km) southwest of intersection of State Highway 25 and State Highway 8/U.S. Highway 45.

DRAINAGE AREA.--28.4 mi² (73.6 km²).

Period of Record.--Water years 1963, 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANFOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DFG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	ALKA- LITY LAB (MG/L AS CAC03)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 22...	0830	.00	--	--	--	--	--	--	--	--	--
NOV 05...	0930	.04	395	8.0	12.0	.80	11.0	2.6	110	.79	.020
FEB 04...	0900	17	290	7.8	1.5	11	14.4	2.7	67	6.1	.030
AUG 05...	1455	.00	--	--	--	--	--	--	--	--	--
SEP 08...	1350	.01	410	8.1	26.0	4.1	8.7	5.5	76	.37	.050

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 22...	--	--	--	--	--	--	--	--	--	--
NOV 05...	.81	.010	.01	.37	.38	1.2	5.3	.070	.21	.040
FEB 04...	6.1	.030	.04	.67	.70	6.8	30	.180	.55	--
AUG 05...	--	--	--	--	--	--	--	--	--	--
SEP 08...	.42	.110	.13	.84	.95	1.4	6.1	.120	.37	.030

02439400 BUTTAHATCHEE RIVER NEAR ABERDEEN, MS

LOCATION.--Lat 33°47'24", long 88°18'53", in NW¼ sec.3, T.15 S., R.17 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160103, near right bank on downstream side of bridge on county highway, 10.0 mi (16.1 km) downstream from Sipsey Creek, and 13.7 mi (22.0 km) southeast of Aberdeen.

DRAINAGE AREA.--798 mi² (2,067 km²).

PERIOD OF RECORD.--July 1966 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 220.77 ft (67.291 m) Mississippi State Highway Department datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--15 years, 1,453 ft³/s (41.15 m³/s), 24.73 in/yr (628 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,000 ft³/s (2,270 m³/s) Mar. 17, 1973, gage height, 23.48 ft (7.157 m), observed at crest; minimum, 117 ft³/s (3.31 m³/s) Sept. 16, 1972, gage height, 4.26 ft (1.298 m).

EXTREMES OUTSIDE THE PERIOD OF RECORD.--Floods in 1892 and 1893 reached stages of 21 ft (6.4 m), and floods Feb. 4, 1951, and Mar. 30, 1951, reached stages of 19.46 ft (5.931 m) and 19.56 ft (5.992 m), respectively, from information by local residents; flood of April 12, 1962, reached a stage of 19.01 ft (5.794 m), from floodmark; all at present datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,670 ft³/s (274 m³/s) Apr. 1, gage height, 15.68 ft (4.779 m), only peak above base of 6,000 ft³/s (170 m³/s); minimum, 153 ft³/s (4.33 m³/s) Aug. 16, gage height, 4.71 ft (1.436 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2520	871	1760	564	662	790	7460	502	511	977	170	190
2	2830	733	1170	552	1390	865	8210	479	543	802	167	191
3	1630	656	1020	537	2300	922	6490	447	623	1550	164	233
4	909	597	912	523	2830	948	5650	416	751	1260	161	264
5	706	552	838	513	2350	1600	4040	396	683	767	158	310
6	585	519	801	507	1520	2300	3080	380	609	668	156	270
7	513	493	782	579	1260	2500	2960	375	527	1050	165	233
8	463	474	763	815	1140	1930	2630	395	529	860	217	212
9	433	466	769	786	1060	1430	1960	407	516	584	236	201
10	408	458	975	664	1200	1210	1630	385	453	453	309	196
11	384	452	1370	605	1980	1080	1460	368	395	379	220	191
12	359	438	1210	560	2710	1000	1310	372	374	337	183	187
13	338	422	1030	514	2950	934	1180	370	493	312	168	182
14	323	412	936	487	2120	889	1080	355	466	290	162	177
15	312	490	871	577	1540	853	991	342	376	269	160	187
16	308	1160	821	563	1360	852	905	340	346	252	156	456
17	310	1560	800	533	1330	874	837	344	320	239	231	676
18	332	1860	769	502	1430	850	802	397	316	224	327	425
19	380	2470	719	476	1390	908	767	847	308	233	327	295
20	408	2750	686	503	1300	934	735	1110	284	257	798	244
21	373	1950	647	810	1210	829	697	871	281	230	641	223
22	338	1280	615	1310	1110	966	690	633	277	214	447	212
23	325	1130	605	1170	1040	1500	690	510	270	208	471	207
24	371	1370	617	954	1000	1880	774	438	256	203	358	201
25	587	1800	645	858	921	1560	970	401	239	192	285	194
26	870	1940	693	794	862	1230	817	449	234	193	250	191
27	735	1830	646	749	827	1070	671	878	313	205	226	187
28	965	2170	611	719	794	972	595	1080	423	193	207	184
29	1820	2630	593	686	---	925	545	941	302	185	196	180
30	2010	2650	582	643	---	2410	513	680	607	181	191	177
31	1210	---	576	613	---	3500	---	534	---	175	192	---
TOTAL	24055	36583	25832	20666	41586	40511	61139	16442	12625	13942	8100	7276
MEAN	776	1219	833	667	1485	1307	2038	530	421	450	261	243
MAX	2830	2750	1760	1310	2950	3500	8210	1110	751	1550	798	676
MIN	308	412	576	476	662	790	513	340	234	175	156	177
CFSM	.97	1.53	1.04	.84	1.86	1.64	2.55	.66	.53	.56	.33	.31
IN.	1.12	1.71	1.20	.96	1.94	1.89	2.85	.77	.59	.65	.38	.34
CAL YR 1980	TOTAL	654174	MEAN	1787	MAX	18800	MIN	179	CFSM	2.24	IN	30.50
WTR YR 1981	TOTAL	308757	MEAN	846	MAX	8210	MIN	156	CFSM	1.06	IN	14.39

MOBILE RIVER BASIN

57

02439600 BUTTAHATCHEE RIVER NEAR KOLOLA SPRINGS, MS

LOCATION.--Lat 33°40'24", long 88°25'45", in SW¼ sec.16, T.16 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160103, at downstream side of bridge on U.S. Highway 45, 1.8 mi (2.9 km) northwest of Kolola Springs, and at mile 8.6 (13.8 km).

DRAINAGE AREA.--855 mi² (2,214 km²).

PERIOD OF RECORD.--Water years 1963-64, 1977 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	ALKA- LITY LAR (MG/L AS CACO3)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 21...	1245	F400	37	6.7	17.0	6.5	8.8	1.4	9.0	--	<.010
NOV 04...	1430	F710	36	6.6	13.0	3.6	10.0	1.6	11	--	<.010
FEB 02...	1400	F640	30	6.7	8.0	6.8	11.2	1.0	12	--	<.010
AUG 06...	1130	E170	33	7.3	27.0	15	7.2	2.1	16	--	<.010
SEP 09...	1015	F190	32	6.8	24.5	16	7.8	1.2	17	.11	.020

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 21...	.13	<.010	--	.21	.21	.34	1.5	.060	.18	.040
NOV 04...	.14	.010	.01	.46	.47	.61	2.7	.020	.06	.020
FEB 02...	.20	.100	.12	.21	.31	.51	2.3	.050	.15	--
AUG 06...	.11	.030	.04	.30	.33	.44	1.9	.020	.06	.010
SEP 09...	.13	.030	.04	--	<.10	--	--	.030	.09	.010

MOBILE RIVER BASIN

02441000 TIBBEE CREEK NEAR TIBBEE, MS

LOCATION.--Lat 33°32'17", long 88°38'00", in SW¼ sec.4, T.19 N., R.16 E., Choctaw Meridian, Clay County, Hydrologic Unit 03160104, on right bank 10 ft (3 m) downstream from bridge on old State Highway 25, 560 ft (170 m) upstream from Gulf, Mobile and Ohio Railroad bridge, 0.7 mi (1.1 km) north of Tibbee, 4.5 mi (7.2 km) upstream from Magee Creek, 5.0 mi (8.0 km) south of West Point, and 9.8 mi (15.8 km) upstream from Cataiba Creek.

DRAINAGE AREA.--926 mi² (2,398 km²).

PERIOD OF RECORD.--August 1928 to September 1930, October 1939 to January 1981, February to September 1981 (high water records only). Monthly discharge only for September 1930 and October 1939, published in WSP 1034. Prior to October 1950, published as Tibbee River near Tibbee.

REVISED RECORDS.--WSP 1504: 1929-30. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 154.07 ft (46.961 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Aug. 7, 1928, to Aug. 31, 1930, nonrecording gage at site 560 ft (170 m) downstream at present datum. Nov. 5 to Dec. 6, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good prior to Feb. 1 and poor thereafter due to variable backwater from Columbus Lock and Dam. After Jan. 31, discharges below 500 ft³/s not determined.

AVERAGE DISCHARGE.--43 years (water years 1929-30, 1940-80), 1,343 ft³/s (38.03 m³/s), 19.70 in/yr (500 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 81,600 ft³/s (2,310 m³/s) Mar. 17, 1973, gage height, 32.26 ft (9.833 m); no flow at times many years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1926 reached a stage of 31.5 ft (9.60 m), from information by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,600 ft³/s (300 m³/s) Apr. 2, gage height, 23.01 ft (7.013 m) only peak above base of 10,000 ft³/s (283 m³/s); minimum discharge during period October 1980 to January 1981, 12 ft³/s (0.34 m³/s) Oct. 23, 24, gage height, 1.53 ft (0.466 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	961	99	294	56	504	---	7590	---	512			---
2	673	72	231	52	2050	---	10200	---	628			---
3	304	54	195	49	2830	---	7890	---	832			---
4	183	45	168	48	3530	639	4980	---	1010			642
5	118	40	151	47	3380	2130	1920	---	1360			582
6	83	35	140	44	1030	3130	768	---	567			680
7	63	30	132	54	---	3320	507	---	---			---
8	50	29	125	82	---	1780	---	---	---			---
9	42	26	129	96	---	536	---	---	---			---
10	36	28	388	83	882	---	---	---	---			---
11	30	24	486	72	1840	---	---	---	---			---
12	25	24	341	61	1820	---	---	---	---			---
13	22	23	235	45	765	---	---	---	578			---
14	18	23	183	52	---	---	---	---	---			---
15	16	29	151	63	---	---	---	---	---			---
16	14	84	134	57	---	---	---	---	---			---
17	16	287	113	52	639	---	---	---	---			---
18	22	1200	93	47	1210	---	---	---	---			---
19	16	1650	83	41	846	---	---	---	---			---
20	23	856	77	47	567	---	---	637	---			---
21	22	314	68	167	535	---	---	---	---			---
22	16	210	63	530	---	835	---	---	---			---
23	13	185	61	314	523	958	---	---	---			---
24	17	233	63	214	---	614	---	---	---			---
25	25	221	64	165	---	---	---	---	---			---
26	47	206	63	134	---	---	---	---	---			---
27	41	1250	62	114	---	---	---	1420	---			---
28	354	1760	63	99	---	---	---	1840	---			---
29	1040	1160	59	87	---	---	---	2340	---			---
30	356	427	57	76	---	3680	---	2410	---			---
31	154	---	57	66	---	5340	---	574	---			---
TOTAL	4800	10624	4529	3114	---	---	---	---	---			---
MEAN	155	354	146	100	---	---	---	---	---			---
MAX	1040	1760	486	530	---	---	---	---	---			---
MIN	13	23	57	41	---	---	---	---	---			---
CFSM	.17	.38	.16	.11	---	---	---	---	---			---
IN.	.19	.43	.18	.13	---	---	---	---	---			---

CAL YR 1980 TOTAL 738831.09 MEAN 2019 MAX 36100 MIN .62 CFSM 2.18 IN 29.68

02441390 TOMBIGBEE RIVER AT COLUMBUS LOCK AND DAM, NEAR COLUMBUS, MS

LOCATION.--Lat 33°31'05", long 88°29'19", in NW¼ sec.11, T.18 S., R.19 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, at control tower on right bank of lock, downstream from Tibbee Creek, 3.5 mi (5.6 km) northwest of Columbus, 4.1 mi (6.6 km) upstream from 02441500 Tombigbee River at Columbus, 6.4 mi (10.3 km) upstream from Luxapallila Creek, and at mile 323.8 (521.0 km).

DRAINAGE AREA.--4,440 mi² (11,500 km²).

PERIOD OF RECORD.--October 1899 to December 1912. August 1928 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to April 1981, published as "02441500 Tombigbee River at Columbus". Gage-height records collected in this vicinity, 1890 to 1971, are contained in reports of National Weather Service, and 1972 to present at site 02441500 Tombigbee River at Columbus.

GAGE.--Water-stage, gate-position, and lockage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to April 1, 1982, water-stage recorder at site 4.1 mi (6.6 km) downstream at datum 128.91 ft (39.292 m) higher (see 02441500 Tombigbee River at Columbus).

REMARKS.--Records fair except those below 1,000 ft³/s (2.8 m³/s), which are poor. Reservoir is formed by earth fill dam with concrete spillway with five 60 ft (18.3 m) wide tainter gates with sill elevation of 138.0 ft (42.06 m) and 110 ft (33.5 m) by 600 ft (182.9 m) lock with maximum lift of 27 ft (8.2 m) at normal pool elevation of 163.0 ft (49.68 m). Minimum flow structure with manually operated gates and maximum discharge of about 300 ft³/s (8.5 m³/s) at normal pool. Storage began Jan. 16, 1981; dam completed Jan. 29, 1981. Capacity 59,500 acre-ft (73.36 hm³) at normal pool. Regulation for maintenance of navigational pool only. Beginning April 1, 1981, daily discharge computed from relation between discharge, head, gate openings, lockages, and minimum flow structure.

AVERAGE DISCHARGE.--66 years, 6,526 ft³/s (184.8 m³/s), 19.96 in/yr (507 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 194,000 ft³/s (5,490 m³/s) Mar. 19, 1973, gage height, 42.22 ft (12.869 m), site and datum then in use; minimum daily, 140 ft³/s (3.96 m³/s) Sept. 16-20, 1954; minimum gage height observed, -0.1 ft (-0.030 m) Oct. 9-12, 1911, site and datum then in use.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1892, the greatest since at least 1867, reached an elevation of 173.0 ft (52.73 m) NGVD at site 3.93 mi (6.32 km) downstream, discharge 278,000 ft³/s (7,870 m³/s) estimated by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,700 ft³/s (841 m³/s) Apr. 3; minimum daily discharge, 211 ft³/s (5.98 m³/s) Aug. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							26100	1320	4800	1140	754	505
2							27300	2310	4990	1940	355	1340
3							28500	1110	5480	1650	332	2610
4							22800	1530	7040	3330	667	5540
5							16700	1830	7360	2230	664	3430
6							11000	974	5420	3520	445	3300
7							8040	1880	4460	4640	352	1960
8							7480	1070	4760	3740	885	953
9							6530	1320	4340	2890	562	1130
10							5830	1260	3110	1350	211	583
11							5640	1860	3180	1760	274	355
12							4910	2190	3450	1400	448	1030
13							5940	2030	6130	428	789	338
14							4240	1840	5930	1420	700	822
15							3790	1430	4000	669	477	1120
16							3590	1240	3830	1160	375	739
17							3030	1710	2740	946	230	1720
18							2860	1580	1640	500	274	1410
19							2520	3350	1800	397	1460	753
20							3030	4060	1380	450	306	958
21							2560	3460	1270	1020	1570	831
22							2720	2760	1050	521	1330	490
23							3000	1410	1500	900	1140	659
24							2240	1740	380	416	671	710
25							1530	2290	1310	598	1200	709
26							3300	3080	676	458	433	554
27							2790	11300	603	230	856	396
28							2490	11300	1040	601	505	654
29							2260	12500	935	473	709	327
30							2420	9410	1170	485	417	370
31							---	5290	---	657	1410	---
TOTAL	---	---	---	---	---	---	225140	100434	95774	42009	20801	36296
MEAN	---	---	---	---	---	---	7505	3240	3192	1355	671	1210
MAX	---	---	---	---	---	---	28500	12500	7360	4640	1570	5540
MIN	---	---	---	---	---	---	1530	974	380	230	211	327
CFSM	---	---	---	---	---	---	1.69	.73	.72	.31	.15	.27
IN.	---	---	---	---	---	---	1.89	.84	.80	.35	.17	.30

MOBILE RIVER BASIN

02441400 TOMBIGBEE RIVER NEAR COLUMBUS, MS

LOCATION.--Lat 33°29'40", long 88°27'40", in SW¼ sec.18, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, at downstream side of bridge on U.S. Highway 82 By-pass, 1.7 mi (2.7 km) upstream from bridge on U.S. Highway 45E and 82, 1.6 mi (2.6 km) west of Columbus, and at mile 321.7 (517.6 km).

DRAINAGE AREA.--4,451 mi² (11,528 km²).

PERIOD OF RECORD.--Water years 1974-76, 1978 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

REMARKS.--Stream discharge determined at station 02441500 prior to Apr. 1 and at station 02441390 thereafter. In water years 1958-59, 1961-65, 1967, and 1971-74, equivalent data was collected 2.0 mi (3.2 km) downstream (station 02441500).

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANFOUS (CFS)	SPE- CIFIC CON- DUCTI- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL 30 DAY (MG/L)	ALKA- LITY LAB (MG/L AS CaCO3)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)
OCT											
21...	1000	995	167	8.3	18.0	7.7	9.4	1.5	5.5	32	.33
NOV											
04...	1530	1220	110	7.1	14.5	9.7	10.2	2.9	--	19	.20
FEB											
02...	1500	12900	140	7.5	8.0	6.5	12.4	2.4	--	32	.22
MAR											
03...	0800	3730	125	7.6	13.0	2.4	11.1	3.8	--	25	--
JUN											
02...	0930	5380	140	7.4	24.0	40	8.2	1.4	--	59	.49
JUL											
07...	0900	5210	70	7.1	27.0	28	8.1	2.7	--	23	.12
AUG											
06...	0830	450	175	6.6	28.5	10	7.8	3.3	--	56	--
SEP											
09...	0915	1300	160	7.1	26.0	28	7.6	2.6	--	47	.05

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT											
21...	.020	.35	.030	.04	.42	.45	.80	3.5	.130	.40	.050
NOV											
04...	.020	.22	.060	.07	.20	.26	.48	2.1	.160	.49	.040
FEB											
02...	.010	.23	.060	.07	.43	.49	.72	3.2	.140	.43	--
MAR											
03...	<.010	.10	.050	.06	.27	.32	.42	1.9	.070	.21	.020
JUN											
02...	.050	.54	.080	.10	.50	.58	1.1	5.0	.120	.37	.080
JUL											
07...	.030	.15	.110	.13	.40	.51	.66	2.9	.090	.28	.040
AUG											
06...	<.010	.02	.040	.05	.63	.67	.69	3.1	.060	.18	<.010
SEP											
09...	.010	.06	.040	.05	.62	.66	.72	3.2	.120	.37	.050

02441500 TOMBIGBEE RIVER AT COLUMBUS, MS

LOCATION.--Lat 33°29'21", long 88°25'57", in NW¼ sec.20, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, on left bank at Columbus, 1,200 ft (370 m) downstream from bridge on U.S. Highway 45E and 82, 1,800 ft (550 m) upstream from Gulf, Mobile, and Ohio Railroad bridge, 2.3 mi (3.7 km) upstream from Luxapallila Creek, 4.1 mi (6.6 km) downstream from 02441390 Tombigbee River at Columbus Lock and Dam, near Columbus, 6.7 mi (10.8 km) downstream from Tibbee Creek, and at mile 319.7 (514.4 km).

DRAINAGE AREA.--4,463 mi² (11,560 km²).

PERIOD OF RECORD.--October 1899 to December 1912, August 1928 to March 1981; April 1981 to current year (gage heights only). Monthly discharge only for some periods, published in WSP 1304. Daily mean gage heights published since January 1972. Gage-height records collected in this vicinity, 1890 to 1971, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 662: Drainage area, WSP 727: 1928-29. WSP 802: 1929(M). WSP 1504: 1900-03, 1950.

GAGE.--Water-stage recorder. Datum of gage is 128.91 ft (39.292 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 7, 1934, nonrecording gage at various sites within 0.2 mi (0.3 km) of present site, at datum 4.00 ft (1.219 m) higher prior to Mar. 13, 1934, and at present datum thereafter. Mar. 3, 1941, to Sept. 30, 1968, auxiliary nonrecording gage at site 3.7 mi (6.0 km) upstream at different datum. Oct. 1, 1968, to Sept. 30, 1971, auxiliary nonrecording gage 2.1 mi (3.4 km) upstream from base gage at datum 128.82 ft (39.264 m) NGVD.

REMARKS.--Records fair except those below 1,000 ft³/s (28.3 m³/s), which are poor. Some regulation by Columbus Lock and Dam construction upstream prior to Jan. 16, 1981, and considerable regulation at low flow by Columbus Lock and Dam due to lockages and maintenance of navigational pool thereafter. Since Dec. 27, 1979, stage affected by Aliceville Lock and Dam 32.0 mi (51.5 km) downstream, normal pool elevation 136.0 ft (41.45 m) NGVD.

AVERAGE DISCHARGE.--See 02441390 Tombigbee River at Columbus Lock and Dam, near Columbus.

EXTREMES FOR PERIOD OF RECORD.--See 02441390.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1892, the greatest since at least 1867, reached an elevation of 173.0 ft (52.73 m) NGVD at site 1,100 ft (335 m) upstream (corresponding stage at gage about 44 ft or 13.4 m), discharge 278,000 ft³/s (7,870 m³/s) estimated by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--See 02441390. Maximum gage height, 19.75 ft (6.020 m) Apr. 1; minimum, 6.71 ft (2.045 m) Apr. 24, 25, May 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7060	2500	6270	1340	3440	3010						
2	5840	1770	5040	1410	12100	3330						
3	4240	1630	3840	1440	13400	3670						
4	3240	1290	3160	1340	14800	4560						
5	1980	1290	2360	1220	13900	11400						
6	1390	1170	2940	1410	10600	13600						
7	1120	1290	2070	1240	7320	13600						
8	920	1050	2180	1490	6150	10600						
9	870	1050	2130	1820	5230	7700						
10	845	895	2240	1910	7100	6120						
11	745	945	3180	1650	10800	4560						
12	745	970	4100	1410	10200	4130						
13	695	970	3160	1560	6450	3820						
14	745	870	2760	1440	7530	3420						
15	770	895	2400	1270	6380	3400						
16	820	1930	2000	720	5300	3740						
17	845	3600	1910	433	5410	3230						
18	895	8590	2020	397	7410	3700						
19	845	10300	1820	420	6790	4180						
20	895	9300	1530	401	5340	3570						
21	920	6830	1510	367	5620	3660						
22	795	5660	1650	1220	5270	6420						
23	970	4880	1650	2210	4980	6510						
24	1020	5000	1290	1980	5000	7080						
25	895	5020	1370	1550	4700	6120						
26	1320	5220	1610	1040	3670	5450						
27	1560	8230	1630	873	3590	4720						
28	2540	10800	1560	565	3150	3230						
29	4960	9930	1440	1150	---	5090						
30	4260	7300	1390	2050	---	20800						
31	3540	---	1490	2050	---	22100						
TOTAL	58285	121175	73700	39376	203630	206520	---	---	---	---	---	---
MEAN	1880	4039	2377	1270	7273	6662	---	---	---	---	---	---
MAX	7060	10800	6270	2210	14800	22100	---	---	---	---	---	---
MIN	695	870	1290	367	3150	3010	---	---	---	---	---	---
CFSM	.42	.91	.53	.29	1.63	1.49	---	---	---	---	---	---
IN.	.49	1.01	.61	.33	1.70	1.72	---	---	---	---	---	---

CAL YR 1980 TOTAL 3547315 MEAN 9801 MAX 86000 MIN 620 CFSM 2.20 IN 29.90

MOBILE RIVER BASIN

02441500 TOMBIGBEE RIVER AT COLUMBUS, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.48	8.15	9.95	7.52	7.93	7.69	18.93	6.79	7.87	7.29	7.25	7.22
2	9.82	7.82	9.34	7.55	11.48	7.86	19.27	7.11	7.91	7.44	7.17	7.38
3	9.02	7.75	8.73	7.56	12.31	8.02	19.14	7.28	8.55	7.39	7.11	7.51
4	8.52	7.61	8.37	7.52	12.86	8.46	16.95	7.42	9.30	7.70	7.18	8.25
5	7.90	7.61	7.99	7.47	12.57	11.58	14.69	7.42	9.49	7.53	7.24	7.66
6	7.65	7.56	8.27	7.55	11.21	12.53	12.20	7.24	8.64	7.79	7.31	7.58
7	7.59	7.61	7.83	7.48	9.76	12.50	10.84	7.37	8.17	8.08	7.23	7.37
8	7.84	7.51	7.88	7.58	9.20	11.20	10.11	7.29	8.29	7.79	7.29	7.25
9	7.91	7.51	7.86	7.72	8.76	9.95	9.50	7.43	8.12	7.59	7.21	7.28
10	7.91	7.45	7.91	7.76	9.66	9.19	8.96	7.33	7.66	7.29	7.23	7.25
11	7.93	7.47	8.38	7.65	11.29	8.44	8.76	7.33	7.68	7.40	7.23	7.24
12	7.81	7.48	8.84	7.55	11.04	8.24	8.48	7.47	7.69	7.36	7.23	7.30
13	7.76	7.48	8.37	7.61	10.26	8.07	8.75	7.44	8.64	7.17	7.30	7.31
14	7.84	7.44	8.17	7.55	9.84	7.91	7.81	7.37	8.63	7.32	7.29	7.31
15	7.86	7.45	7.99	7.49	9.31	7.92	7.51	7.25	7.94	7.19	7.27	7.28
16	7.62	7.92	7.80	7.28	8.80	7.87	7.51	7.32	7.76	7.28	7.25	7.22
17	7.46	8.70	7.76	7.27	8.85	7.85	7.19	7.46	7.52	7.26	7.16	7.31
18	7.53	11.33	7.81	7.26	9.79	7.85	7.13	7.42	7.34	7.21	7.17	7.28
19	7.43	12.30	7.72	7.34	9.51	7.91	7.05	7.83	7.38	7.19	7.33	7.26
20	7.45	11.72	7.60	7.25	8.82	7.81	7.09	7.92	7.32	7.19	7.21	7.28
21	7.46	10.35	7.59	7.26	8.95	7.74	7.04	7.81	7.31	7.28	7.36	7.28
22	7.41	9.73	7.65	7.49	8.78	8.46	7.07	7.56	7.32	7.19	7.34	7.23
23	7.48	9.34	7.65	7.79	8.64	8.75	7.10	7.34	7.34	7.24	7.29	7.23
24	7.50	9.40	7.50	7.65	8.65	9.52	6.98	7.48	7.18	7.20	7.30	7.27
25	7.45	9.41	7.53	7.56	8.50	9.10	6.87	7.56	7.30	7.25	7.35	7.30
26	7.62	9.51	7.63	7.40	8.02	8.78	7.29	7.75	7.23	7.27	7.28	7.25
27	7.72	11.14	7.64	7.33	7.98	8.37	7.07	10.54	7.25	7.27	7.31	7.19
28	8.15	12.56	7.61	7.35	7.76	7.93	7.06	10.83	7.36	7.26	7.28	7.22
29	9.38	12.00	7.56	7.43	---	8.31	6.97	11.37	7.32	7.25	7.35	7.26
30	9.03	10.53	7.54	7.54	---	15.29	6.98	10.32	7.30	7.20	7.26	7.25
31	8.67	---	7.58	7.55	---	17.36	---	8.50	---	7.23	7.35	---
MEAN	8.04	8.99	8.00	7.49	9.66	9.31	9.61	7.89	7.83	7.36	7.26	7.33
MAX	10.48	12.56	9.95	7.79	12.86	17.36	19.27	11.37	9.49	8.08	7.36	8.25
MIN	7.41	7.44	7.50	7.25	7.76	7.69	6.87	6.79	7.18	7.17	7.11	7.19

WTR YR 1981 MEAN 8.22 MAX 19.27 MIN 6.79

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS

LOCATION.--Lat 33°30'50", long 88°23'44", in NW¼SW¼ sec.11, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, on right bank at Columbus Water Works pumping plant, 175 ft (53 m) upstream from bridge on county highway (formerly State Highway 50), 0.6 mi (1.0 km) upstream from Magby Creek, 1.4 mi (2.3 km) upstream from U.S. Highway 82 and 6.2 mi (10.0 km) upstream from mouth.

DRAINAGE AREA.--715 mi² (1,852 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1928 to September 1930, October 1974 to current year.

REVISED RECORDS.--WSP 1304: 1929, 1930 (Monthly values only). WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 142.23 ft (43.352 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 3, 1974, nonrecording gage at same site. September 1928 to September 1930 at undetermined datum, but believed to be same as present datum.

REMARKS.--Records good except those for period of no gage-height record, July 1 to Aug. 13, which are fair. About 7 ft³/s (0.2 m³/s) is diverted upstream from station for municipal water supply for city of Columbus.

AVERAGE DISCHARGE.--9 years, 1,252 ft³/s (35.46 m³/s), 23.78 in/yr (604 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,400 ft³/s (1,140 m³/s) Apr. 14, 1979, gage height, 32.35 ft (9.860 m); minimum, since October 1974, 67 ft³/s (1.90 m³/s) Sept. 11, 1978, gage height, 7.25 ft (2.210 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1892, 35.3 ft (10.76 m) April 1892, from information by Corps of Engineers. The flood of January 1949, reached a stage of 32.8 ft (10.00 m) and the flood of December 1961, reached a stage of 31.8 ft (9.69 m), according to information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,450 ft³/s (268 m³/s) Apr. 1, gage height, 21.80 ft (6.645 m), only peak above base of 8,000 ft³/s (227 m³/s); minimum daily, 72 ft³/s (2.04 m³/s) July 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	669	615	1540	406	468	519	8970	340	507	150	87	120
2	737	475	1230	397	945	614	7290	338	489	225	84	121
3	584	350	977	386	1470	688	5610	317	652	194	81	129
4	436	336	832	375	1500	797	3750	292	1320	225	81	137
5	321	366	733	365	1170	1610	3600	273	1490	217	79	152
6	259	289	666	365	1020	2370	4100	259	1110	201	81	153
7	230	278	620	422	864	2160	3660	254	731	221	78	141
8	213	268	585	544	762	1660	2690	257	596	215	109	126
9	202	261	580	612	694	1370	2130	258	533	186	121	115
10	194	261	756	563	941	1070	1680	255	425	153	119	107
11	186	259	1090	506	1850	887	1390	243	358	136	116	102
12	178	261	1120	449	2680	776	1200	234	322	132	110	98
13	172	257	960	403	2090	707	1050	227	538	122	99	95
14	168	250	869	395	1670	660	929	224	670	118	102	92
15	164	256	754	396	1430	622	828	216	475	108	93	98
16	162	458	665	408	1180	653	731	210	345	101	87	158
17	168	859	612	400	1100	680	657	210	272	97	82	136
18	226	967	578	382	1090	691	622	218	229	92	92	122
19	299	1140	540	363	1040	695	588	297	202	88	137	176
20	390	1050	505	374	967	754	559	408	184	84	292	153
21	358	858	474	521	879	742	528	519	169	83	399	130
22	299	757	449	771	800	1090	497	456	159	78	376	113
23	254	789	435	884	734	1660	476	366	149	76	351	111
24	250	1410	436	801	690	1890	479	294	141	74	285	104
25	294	2650	440	718	642	1470	542	251	134	72	220	98
26	411	2510	460	631	597	1250	565	273	128	87	181	94
27	498	2280	462	570	563	1040	510	391	122	105	154	91
28	606	2730	448	534	534	867	445	549	123	115	136	88
29	768	2670	433	506	---	758	388	598	118	102	124	84
30	980	1860	421	473	---	3130	357	528	112	96	116	81
31	768	---	412	443	---	6220	---	513	---	91	115	---
TOTAL	11444	27940	21082	15363	30370	40160	56821	10068	12803	4044	4587	3525
MEAN	369	931	680	496	1085	1295	1894	325	427	130	148	118
MAX	980	2730	1540	884	2680	6220	8970	598	1490	225	399	176
MIN	162	250	412	363	468	539	357	210	112	72	78	81
CFSM	.52	1.30	.95	.69	1.52	1.81	2.65	.46	.60	.18	.21	.17
IN.	.60	1.45	1.10	.80	1.58	2.09	2.96	.52	.67	.21	.24	.18
CAL YR 1980	TOTAL	608545	MEAN	1663	MAX	27700	MIN	107	CFSM	2.33	IN	31.66
WTR YR 1981	TOTAL	218207	MEAN	653	MAX	8970	MIN	72	CFSM	.91	IN	12.39

MOBILE RIVER BASIN

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCTI- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	ALKA- LITY LAB (MG/L AS CaCO3)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 21...	1100	369	34	7.8	16.0	9.0	8.8	2.1	9.0	<.010
NOV 04...	1615	326	34	6.1	13.5	4.0	9.9	2.3	7.0	<.010
FEB 02...	1630	1030	32	6.6	7.0	12	10.6	1.6	5.0	<.010
AUG 06...	0945	80	33	6.9	29.0	14	7.0	2.3	16	<.010
SEP 09...	0815	118	28	6.7	23.0	12	7.5	1.3	13	<.010

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 21...	.01	<.010	--	.24	.24	.25	1.1	.040	.12	.020
NOV 04...	.05	.010	.01	--	<.10	--	--	.030	.09	.010
FEB 02...	.13	.010	.01	.33	.34	.47	2.1	.050	.15	--
AUG 06...	.13	.040	.05	.56	.60	.73	3.2	.030	.09	<.010
SEP 09...	.13	.060	.07	.18	.24	.37	1.6	.040	.12	.030

02448000 NOXUBEE RIVER AT MACON, MS

LOCATION.--Lat 33°06'08", long 88°33'40", in NE¼ sec.4, T.14 N., R.17 E., Choctaw Meridian, Noxubee County, Hydrologic Unit 03160108, on left bank at downstream side of bridge on U.S. Highway 45 at Macon, 0.2 mi (0.3 km) upstream from Cedar Creek, 1.0 mi (1.6 km) downstream from Gulf, Mobile and Ohio Railroad bridge, 1.5 mi (2.4 km) downstream from Horse Hunters Creek, and 6.2 mi (10.0 km) upstream from Running Water Creek.

DRAINAGE AREA.--768 mi² (1,989 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to September 1932, September 1938 to current year. Monthly discharge only June to September 1932, published in WSP 1304.

REVISED RECORDS.--WSP 1624: 1929-30, 1932. WDR MS-78-1: 1977. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 142.38 ft (43.397 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to May 31, 1932, nonrecording gage at site 40 ft (12 m) downstream at different datum. Sept. 21, 1938, to Aug. 10, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--47 years, 1,039 ft³/s (29.42 m³/s), 18.37 in/yr (467 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 125,000 ft³/s (3,540 m³/s) Apr. 13, 1979, gage height, 38.97 ft (11.878 m) from floodmark; minimum, 22 ft³/s (0.62 m³/s) Aug. 25, 26, 1943, gage height, 4.89 ft (1.490 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1892 reached a stage of about 34 ft (10.4 m), present site and datum, from information by local residents, and has not been exceeded since. Flood in December 1926 reached a stage of about 30 ft (9.1 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,590 ft³/s (158 m³/s) Apr. 1, gage height, 24.12 ft (7.352 m), only peak above base of 5,000 ft³/s (142 m³/s); minimum, 55 ft³/s (1.56 m³/s) July 24, 25, 26, Aug. 5, 6, 13, gage height, 5.63 ft (1.716 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

CAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	128	275	377	127	198	252	5490	142	129	79	65	62
2	119	190	303	117	587	347	5030	136	241	97	63	64
3	115	153	254	113	814	410	4100	127	226	90	61	68
4	108	135	218	111	698	831	3500	121	146	82	59	79
5	99	122	197	109	705	2460	4480	117	216	79	57	67
6	90	105	178	114	559	2410	4450	114	267	109	55	64
7	81	91	167	125	418	1510	3800	114	242	111	58	64
8	78	87	154	152	356	1290	2350	113	442	97	66	64
9	74	87	158	138	315	1240	1170	111	679	89	64	63
10	72	86	314	137	966	983	773	110	821	105	61	62
11	67	84	320	137	1990	680	587	110	894	95	57	61
12	64	83	274	138	1510	502	471	109	591	85	59	61
13	62	83	255	129	957	418	404	105	385	78	57	59
14	65	87	243	122	846	360	356	104	711	72	72	60
15	64	116	211	128	667	314	323	105	768	70	70	62
16	65	179	192	126	531	290	298	107	566	67	73	116
17	69	166	193	125	582	299	297	106	435	64	63	94
18	83	193	178	125	633	294	305	125	290	61	73	81
19	128	220	165	122	571	297	274	181	193	63	85	83
20	130	235	159	134	554	289	242	258	155	69	97	83
21	125	214	153	178	508	264	219	197	131	64	225	76
22	115	188	149	217	608	1240	222	185	114	60	120	71
23	134	473	147	254	532	1750	226	201	104	58	95	67
24	156	764	148	260	442	1160	204	152	95	58	90	63
25	135	441	151	252	431	942	195	123	88	60	88	62
26	126	322	155	214	413	796	187	121	155	61	83	62
27	166	1040	144	191	323	588	175	145	76	59	78	61
28	271	956	142	177	268	452	169	157	68	60	73	74
29	483	584	141	168	---	431	153	176	75	60	68	72
30	314	456	142	159	---	4110	144	159	81	65	65	66
31	311	---	140	153	---	5100	---	153	---	63	63	---
TOTAL	4097	8215	6122	4752	17982	32309	40594	4284	9384	2330	2363	2091
MEAN	132	274	197	153	642	1042	1353	138	313	75.2	76.2	69.7
MAX	483	1040	377	260	1990	5100	5490	258	894	111	225	116
MIN	62	83	140	109	198	252	144	104	68	58	55	59
CFSM	.17	.36	.26	.20	.84	1.36	1.76	.18	.41	.10	.10	.09
IN.	.20	.40	.30	.23	.87	1.56	1.97	.21	.45	.11	.11	.10

CAL YR 1980 TOTAL 585508 MEAN 1600 MAX 18800 MIN 62 CFSM 2.08 IN 28.36
WTR YR 1981 TOTAL 134523 MEAN 369 MAX 5490 MIN 55 CFSM .48 IN 6.52

MOBILE RIVER BASIN

02448000 NOXUBEE RIVER AT MACON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967, 1972-75, 1981 to current year.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANFOUS (CFS)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)
APR				
06...	1630	4400	128	1520
MAY				
18...	1500	122	298	98
JUN				
29...	1600	79	56	12
AUG				
13...	0930	57	44	6.8

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM
APR									
06...	1632	25.0	6	7	12	46	84	94	99
06...	1634	50.0	11	13	17	40	79	94	--
06...	1636	75.0	44	54	70	86	98	--	--
MAY									
18...	1502	25.0	1	2	8	37	51	60	72
18...	1504	50.0	5	5	7	18	26	34	47
18...	1506	75.0	14	15	18	30	37	44	55

02448500 NOXUBEE RIVER NEAR GEIGER, AL

LOCATION.--Lat 32°55'06", long 88°17'45", in SE¼ sec. 33, T. 23 N., R. 3 W., Sumter County, Hydrologic Unit 03160108, near left bank on downstream side of bridge on State Highway 17, 0.5 mi (0.8 km) upstream from Woodards Creek, 1 mi (1.6 km) upstream from Alabama, Tennessee and Northern Railroad bridge, 4 mi (6.4 km) north of Geiger, and at mile 16.9 (27.2 km).

DRAINAGE AREA.--1,140 mi² (2,950 km²), approximately.

PERIOD OF RECORD.--March 1939 to September 1940, July 1944 to September 1965, October 1965 to September 1966 (gage heights only), October 1966 to current year. (Monthly discharge only for period October to December 1966.)

REVISED RECORDS.--WSP 1384: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 86.08 ft (26.237 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 30, 1940, nonrecording gage at site of old highway bridge 1 mi (1.6 km) downstream at datum 1.44 ft (0.439 m) lower. July 26, 1944 to June 5, 1949, nonrecording gage at present site and datum. Water-stage recorder for Tombigbee River at Gainesville is used as an auxiliary gage for this station.

REMARKS.--Water discharge records fair. Discharge includes flow of Noxubee cutoff channel at bridge on State Highway 17, 1 mi (1.6 km) north of gage.

AVERAGE DISCHARGE.--37 years (water years 1939-40, 1944-65, 1966-81), 1,571 ft³/s (44.49 m³/s), 18.71 in/yr (475 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 156,000 ft³/s (4,420 m³/s) Apr. 14, 1979, gage height, 48.58 ft (14.807 m); minimum, 13 ft³/s (0.37 m³/s) July 7, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,130 ft³/s (259 m³/s) Apr. 1, gage height, 30.76 ft (9.376 m); minimum, 64 ft³/s (1.81 m³/s) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	118	308	637	208	216	296	8920	218	163	102	80	89
2	121	310	514	203	745	375	8770	212	157	117	81	87
3	128	257	422	191	1270	481	7750	205	163	111	80	85
4	124	213	360	183	1050	970	6260	198	588	112	80	83
5	121	185	320	176	833	3660	6650	189	227	115	80	86
6	118	170	294	175	770	3930	7520	183	173	121	79	92
7	115	161	274	182	652	3040	6670	178	238	117	77	89
8	112	152	260	199	476	2000	5360	175	249	126	89	82
9	109	144	254	214	384	1530	3490	173	341	121	85	79
10	108	137	317	221	1110	1400	1730	171	609	110	83	77
11	107	134	531	205	3530	1140	1060	163	794	105	84	77
12	105	130	496	196	3170	784	787	158	952	108	82	75
13	104	130	404	193	2090	543	616	155	800	105	78	74
14	104	128	351	188	1300	440	522	151	449	100	77	72
15	103	646	328	184	1050	375	473	145	587	96	78	75
16	104	1320	308	182	886	340	428	144	769	93	83	80
17	106	428	286	179	949	320	399	144	576	99	89	88
18	552	762	274	176	1170	307	382	148	423	93	91	108
19	395	559	265	173	1080	309	394	185	312	85	85	104
20	183	345	249	180	826	312	373	258	220	82	87	95
21	173	312	235	193	679	307	345	272	175	81	166	92
22	161	288	225	313	573	1690	318	250	153	82	126	93
23	153	1240	221	318	612	3070	301	196	139	82	209	91
24	148	3090	223	304	556	2410	314	200	128	78	128	83
25	160	1950	232	306	442	1600	298	189	123	75	111	77
26	173	1010	232	300	404	1160	282	166	118	74	108	74
27	204	2560	231	274	389	940	266	145	156	75	105	72
28	2570	2760	228	243	336	688	256	143	158	76	103	69
29	2380	1590	217	224	---	520	246	151	109	83	98	68
30	700	901	213	210	---	4790	236	162	100	86	95	66
31	422	---	213	200	---	8040	---	166	---	79	91	---
TOTAL	10281	22320	9614	6693	27548	47767	71416	5593	10149	2989	2988	2482
MEAN	332	744	310	216	984	1541	2381	180	338	96.4	96.4	82.7
MAX	2570	3090	637	318	3530	8040	8920	272	952	126	209	108
MIN	103	128	213	173	216	296	236	143	100	74	77	66
CFSM	.29	.65	.27	.19	.86	1.35	2.09	.16	.30	.09	.09	.07
IN.	.34	.73	.31	.22	.90	1.56	2.33	.18	.33	.10	.10	.08
CAL YR 1980	TOTAL	934428	MEAN	2553	MAX	23000	MIN	100	CFSM	2.24	IN	30.49
WTR YR 1981	TOTAL	219840	MEAN	602	MAX	8920	MIN	66	CFSM	.53	IN	7.17

PASCAGOULA RIVER BASIN

02472000 LEAF RIVER NEAR COLLINS, MS

LOCATION.--Lat 31°42'25", long 89°24'25", in NE¼ sec.33, T.9 N., R.14 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, on right bank at downstream side of bridge on U.S. Highway 84, 2.0 mi (3.2 km) downstream from Oakohay Creek, 10.6 mi (17.1 km) upstream from Big Creek, 9.5 mi (15.3 km) northeast of Collins, and at mile 114.5 (184.2 km).

DRAINAGE AREA.--743 mi² (1,924 km²).

PERIOD OF RECORD.--September 1938 to current year.

REVISED RECORDS.--WSP 2106: 1950(M). WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 197.48 ft (60.192 m) Mississippi State Highway Department datum. Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years, 1,096 ft³/s (31.04 m³/s), 20.03 in/yr (509 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,200 ft³/s (1,540 m³/s) Apr. 14, 1974, gage height, 32.6 ft (9.936 m), from floodmark; minimum, 55 ft³/s (1.56 m³/s) Aug. 28-30, 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1856 reached a stage of about 33 ft (10.1 m), and the flood in April 1900 reached a stage of 32 ft (9.8 m), from information by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,900 ft³/s (450 m³/s) Apr. 2, gage height, 21.54 ft (6.565 m), only peak above base of 8,000 ft³/s (227 m³/s); minimum, 87 ft³/s (2.46 m³/s) Sept. 30, gage height, 3.51 ft (1.070 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	269	272	804	293	421	375	12500	247	184	155	126	249
2	224	222	585	287	1350	375	14900	231	182	316	117	312
3	188	198	485	283	2170	405	9800	224	193	481	114	421
4	166	183	427	281	2260	2140	6020	224	490	520	110	436
5	152	170	389	274	1520	6330	2820	220	673	424	110	992
6	143	162	363	274	1200	5180	3100	222	431	428	110	749
7	138	157	343	403	1340	5780	3400	224	335	387	108	377
8	137	156	326	497	1480	3540	2470	226	348	331	131	260
9	135	154	329	502	1210	1790	1410	218	373	243	128	196
10	135	152	550	465	1450	1040	937	218	366	202	120	160
11	134	150	655	405	2700	753	723	218	270	194	117	140
12	130	147	711	360	2720	638	611	216	243	291	111	126
13	126	146	631	335	2460	568	539	213	291	257	105	119
14	124	146	492	322	1620	517	490	211	331	209	104	125
15	124	151	436	322	946	483	454	220	253	172	103	142
16	124	867	405	312	852	461	417	220	222	155	103	131
17	128	4500	387	301	876	452	412	213	203	145	101	128
18	163	3160	366	293	1200	438	384	213	184	136	98	116
19	250	2020	353	287	1260	419	357	287	172	132	98	108
20	529	1500	351	299	966	403	338	565	162	129	105	104
21	432	832	340	426	749	391	320	601	155	125	105	103
22	327	497	329	701	635	1780	308	470	148	120	105	101
23	225	726	320	753	571	2850	295	333	145	116	105	98
24	193	1610	320	571	507	2730	310	266	147	113	104	96
25	317	2380	348	465	465	2010	331	233	170	114	98	94
26	310	2540	342	412	436	1170	308	245	165	272	94	94
27	254	2470	327	380	410	730	287	257	162	211	91	93
28	538	2220	318	436	391	587	266	241	152	180	89	93
29	460	2150	312	517	---	597	257	224	140	187	90	89
30	406	1450	303	481	---	6640	257	205	137	153	94	87
31	395	---	297	414	---	8300	---	194	---	136	297	---
TOTAL	7376	31928	12944	12351	34165	59872	65021	8099	7427	7034	3491	6339
MEAN	238	1064	418	398	1220	1931	2167	261	248	227	113	211
MAX	538	4500	804	753	2720	8300	14900	601	673	520	297	992
MIN	124	146	297	274	351	375	257	194	137	113	89	87
CFSM	.32	1.43	.56	.54	1.64	2.60	2.92	.35	.33	.31	.15	.28
IN.	.37	1.60	.65	.62	1.71	3.00	3.26	.41	.37	.35	.17	.32

CAL YR 1980 TOTAL 777740 MEAN 2125 MAX 29800 MIN 124 CFSM 2.86 IN 38.94
WTR YR 1981 TOTAL 256047 MEAN 701 MAX 14900 MIN 87 CFSM .94 IN 12.82

PASCAGOULA RIVER BASIN

69

02472373 LEAF RIVER AT EASTABUCHIE, MS

LOCATION.--Lat 31°26'20", long 89°18'00", in SE¼ sec.33, T.6 N., R.13 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170004, at downstream side of bridge on county road, 0.9 mi (1.4 km) west of Eastabuchie, and 1.4 mi (2.3 km) east of Interstate Highway 59, and at mile 82.1 (132.1 km).

DRAINAGE AREA.--1,041 mi² (2,696 km²).

PERIOD OF RECORD.--Water years 1965-66, 1972, 1975, 1978 to August 1981 (discontinued).

REVISED RECORDS.--WDR MS-80-1: Drainage area.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
NOV 24...	1230	E1700	58	6.7	11.0	35	6.9	9.8	5900	.29	.010	.30
DEC 16...	1130	E800	65	6.9	10.0	15	3.9	--	120	.25	.000	.25
JAN 15...	1115	E680	63	6.8	5.0	20	4.5	12.8	--	.30	.000	.30
MAR 10...	1115	E1850	50	6.6	13.0	70	34	8.6	430	.16	.020	.18
APR 06...	1115	E3100	50	6.6	19.5	70	59	8.0	K180	.08	.020	.10
MAY 04...	1130	E570	62	7.4	22.0	30	2.8	8.9	K18	--	<.010	.33
JUN 08...	1245	E590	50	6.8	27.0	50	20	7.4	68	.39	.010	.40
AUG 12...	1415	E350	45	7.0	29.5	20	5.8	8.5	K7	.18	.010	.19

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS PO4)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)
NOV 24...	.080	.10	.31	.39	.69	3.1	.080	.25	.060	7.1	65
DEC 16...	.040	.05	.23	.27	.52	2.3	.020	.06	.010	4.6	93
JAN 15...	.000	.00	.12	.12	.42	1.9	.020	.06	.010	--	36
MAR 10...	.060	.07	.50	.56	.74	3.3	.070	.21	.020	8.6	135
APR 06...	.050	.06	.46	.51	.61	2.7	.070	.21	.030	8.6	144
MAY 04...	.020	.02	.36	.38	.71	3.1	.030	.09	<.010	4.1	25
JUN 08...	.070	.08	.45	.52	.92	4.1	.040	.12	.020	7.4	31
AUG 12...	.020	.02	.29	.31	.50	2.2	.020	.06	.010	2.9	145

PASCAGOULA RIVER BASIN

02472373 LEAF RIVER AT EASTABUCHIE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SOPP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY LAB (MG/L AS CACO3)
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JUN 08...	13	8.0	3.5	1.0	3.4	33	.4	1.6	5.0
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DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	CADMIUM REC'D, FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, REC'D, FM BOT- TOM MA- TERIAL (UG/G)	COPPER, REC'D, FM BOT- TOM MA- TERIAL (UG/G AS CU)	LEAD, REC'D, FM BOT- TOM MA- TERIAL (UG/G AS PB)	MERCURY REC'D, FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, REC'D, FM BOT- TOM MA- TERIAL (UG/G AS NI)	ZINC, REC'D, FM BOT- TOM MA- TERIAL (UG/G AS ZN)
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JUN 08...	2.8	6.2	2	<10	0	35	.00	0	4
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PESTICIDE ANALYSES, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
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JUN 08...	<1	<1.0	<.1	<1.0	<.1	.1	<.1	<.1	<.1	<.1
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DATE	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOT. IN TOM MA- TERIAL (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOT. IN TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOT. IN BOT. IN TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOT. IN BOT. IN TOM MA- TERIAL (UG/KG)
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JUN 08...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
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DATE	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE IN BOT. IN TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-DP, IN BOT. IN TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
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JUN 08...	<.1	<.1	<.10	<1.0	<.1	0	.00	0	0
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02472500 BOWIE CREEK NEAR HATTIESBURG, MS

LOCATION.--Lat 31°25'32", long 89°24'53", in NW¼SW¼ sec.4, T.5 N., R.14 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170004, on left bank 25 ft (7.6 m) downstream from upstream bridge of dual bridges on U.S. Highway 49, 1.0 mi (1.6 km) upstream from Okatoma Creek, 2.2 mi (3.5 km) southwest of Lux, and 10.2 mi (16.4 km) northwest of Hattiesburg.

DRAINAGE AREA.--304 mi² (787 km²).

PERIOD OF RECORD.--September 1938 to current year.

REVISED RECORDS.--WSP 1906; 1943(M).

GAGE.--Water-stage recorder. Datum of gage is 160.04 ft (48.780 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

REMARKS.--Record good.

AVERAGE DISCHARGE.--43 years, 449 ft³/s (12.72 m³/s), 20.06 in/yr (510 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45,500 ft³/s (1,290 m³/s) Apr. 14, 1974, gage height, 28.18 ft (8.589 m), from floodmark; minimum, 83 ft³/s (2.35 m³/s) Aug. 29, 1957; minimum gage height, 2.37 ft (0.722 m) Sept. 16, 17, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,660 ft³/s (104 m³/s) Mar. 30, gage height, 13.23 ft (4.032 m), no peak above base of 4,000 ft³/s (113 m³/s); minimum, 116 ft³/s (3.28 m³/s) Aug. 28, 29, gage height, 2.81 ft (0.856 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	571	269	325	216	337	250	2540	196	162	225	129	229
2	392	242	299	214	982	250	2920	189	168	356	129	214
3	273	227	277	211	731	246	1210	180	182	329	139	569
4	220	218	263	209	459	329	670	175	211	595	129	519
5	202	211	254	207	362	1440	479	175	259	948	131	317
6	191	205	246	209	860	1840	439	184	257	475	127	231
7	186	200	240	339	973	1040	369	200	236	434	126	189
8	182	198	235	377	640	654	329	200	202	388	127	168
9	182	196	265	315	445	401	307	189	198	242	140	160
10	178	196	723	261	1190	337	289	186	191	198	132	153
11	180	196	627	235	1980	309	273	184	175	198	124	148
12	177	194	475	223	1070	291	261	180	186	401	121	145
13	174	191	350	216	581	281	252	174	216	335	121	143
14	172	193	305	214	445	269	242	186	187	205	123	153
15	172	194	281	216	403	263	233	203	172	175	160	227
16	172	212	267	214	414	259	223	198	163	163	132	233
17	175	244	257	209	445	254	218	184	155	155	142	196
18	196	263	250	203	448	248	212	182	152	150	134	168
19	238	321	240	203	390	240	209	202	150	147	142	155
20	250	261	233	229	352	235	203	248	147	142	142	148
21	222	223	231	305	325	236	203	255	143	139	134	147
22	200	218	227	325	307	918	209	198	142	137	131	145
23	191	452	222	275	299	817	209	177	140	132	129	143
24	257	523	233	242	289	557	379	168	142	129	127	143
25	223	459	265	229	277	386	287	165	142	127	124	140
26	202	931	265	220	265	317	233	287	145	184	121	139
27	200	1470	244	216	259	287	207	250	158	277	118	137
28	2130	833	231	214	255	271	196	214	148	163	117	135
29	998	514	223	212	---	277	196	182	140	150	118	134
30	495	375	220	214	---	2480	194	168	135	137	134	134
31	335	---	218	207	---	3170	---	162	---	132	261	---
TOTAL	9936	10429	8991	7379	15783	19152	14191	6041	5204	7968	4164	5862
MEAN	321	348	290	238	564	618	473	195	173	257	134	195
MAX	2130	1470	723	377	1980	3170	2920	287	259	948	261	569
MIN	172	191	218	203	255	235	194	162	135	127	117	134
CFSM	1.06	1.15	.95	.78	1.86	2.03	1.56	.64	.57	.85	.44	.64
IN.	1.22	1.28	1.10	.90	1.93	2.34	1.74	.74	.64	.98	.51	.72

CAL YR 1980 TOTAL 294675 MEAN 805 MAX 17000 MIN 169 CFSM 2.65 IN 36.06
WTR YR 1981 TOTAL 115100 MEAN 315 MAX 3170 MIN 117 CFSM 1.04 IN 14.08

PASCAGOULA RIVER BASIN

02472880 BOWIE RIVER NEAR GLENDALE, MS

LOCATION.--Lat 31°23'44", long 89°21'56", in SE¼ sec.14, T.5 N., R.14 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170004, at downstream side of bridge on county road, 5.1 mi (8.2 km) northwest of Glendale, and 4.2 mi (6.8 km) southeast of Lux, and at mile 10.5 (16.9 km).

DRAINAGE AREA.--604 mi² (1,564 km²).

PERIOD OF RECORD.--Water years 1974, 1978 to August 1981 (discontinued).

REVISED RECORD.--WDR MS-80-1: Drainage area.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COHALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
NOV 24...	1100	1000	40	6.4	11.0	30	5.2	9.9	K6200	.31	.010	.32
DEC 16...	1020	465	37	5.9	7.0	30	2.9	--	200	.30	.000	.30
JAN 15...	1015	410	36	6.3	6.0	15	3.0	12.4	--	.32	.000	.32
MAR 10...	1000	710	36	6.4	13.0	35	15	9.0	280	--	<.010	.31
APR 06...	1015	915	38	6.4	18.0	50	23	8.8	560	.24	.010	.25
MAY 04...	1015	350	37	6.0	19.5	20	2.9	9.2	68	--	<.010	.42
JUN 08...	1030	435	33	6.5	25.0	40	20	7.9	220	.54	.010	.55
AUG 12...	1300	230	32	6.8	27.0	15	4.3	8.5	48	.45	.010	.46

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)
NOV 24...	.080	.10	.34	.42	.74	3.3	.090	.28	.060	7.5	42	113
DEC 16...	.130	.16	.26	.39	.69	3.1	.040	.12	.020	3.5	68	85
JAN 15...	.150	.18	.05	.20	.52	2.3	.040	.12	.030	2.1	40	44
MAR 10...	.130	.16	.32	.45	.76	3.4	.060	.18	.030	1.8	113	217
APR 06...	.100	.12	.36	.46	.71	3.1	.070	.21	.030	5.2	63	156
MAY 04...	.010	.01	.32	.33	.75	3.3	.050	.15	.030	2.9	12	11
JUN 08...	.030	.04	.46	.49	1.0	4.6	.070	.21	.050	7.0	26	31
AUG 12...	.020	.02	.31	.33	.79	3.5	.060	.18	.040	2.5	18	11

PASCAGOULA RIVER BASIN

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02472880 BONIE RIVER NEAR GLENDALE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SURP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY LAB (MG/L AS CACO3)
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JUN 08...	7	.00	1.5	.7	2.8	41	.5	1.6	12
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DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CR)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
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JUN 08...	1.8	4.1	0	<10	1	0	.00	13	4
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PESTICIDE ANALYSES, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
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JUN 08...	<1	<1.0	<.1	<1.0	<.1	.5	<.1	<.1	<.1	<.1
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DATE	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOT. IN BOT- TOM MA- TERIAL (UG/KG)
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JUN 08...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
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DATE	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-DP, IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
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JUN 08...	<.1	<.1	<.10	<1.0	<.1	0	.00	0	0
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PASCAGOULA RIVER BASIN

02473000 LEAF RIVER AT HATTIESBURG, MS

LOCATION.--Lat 31°20'33", long 89°16'46", in SW¼NW¼ sec.2, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, on right downstream abutment of bridge on U.S. Highway 11, at eastern city limits of Hattiesburg, 150 ft (46 m) downstream from Bowie Creek, 3,200 ft (975 m) upstream from New Orleans and Northeastern Railroad bridge, and at mile 71.8 (115.5 km).

DRAINAGE AREA.--1,748 mi² (4,527 km²).

PERIOD OF RECORD.--September 1938 to current year. Daily mean gage height, published since January 1972. Gage-height records collected in the same vicinity since 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 118.23 ft (36.037 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 15, 1939, nonrecording gage at same site and datum. Jan. 15, 1939 to Apr. 14, 1981, recording gage in concrete house on left bank 450 ft (137 m) downstream from U.S. Highway 11.

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years, 2,687 ft³/s (76.10 m³/s), 20.88 in/yr (530 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 121,000 ft³/s (3,430 m³/s) Apr. 15, 1974, gage height, 34.03 ft (10.372 m); minimum, 318 ft³/s (9.01 m³/s) Oct. 22, 1963; minimum recorded gage height, 2.49 ft (0.759 m) Sept. 25, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1900 reached a stage of about 33.6 ft (10.24 m) from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,000 ft³/s (510 m³/s) Apr. 2, gage height, 17.38 ft (5.297 m); minimum daily, 510 ft³/s (14.4 m³/s) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2000	1370	2560	1270	1450	1340	15300	996	708	802	539	1180
2	1550	1150	1860	1250	3490	1300	17500	959	719	1780	524	1110
3	1170	1030	1590	1220	3850	1430	17000	912	953	1520	524	1970
4	959	959	1430	1200	4120	1670	14800	882	929	1660	563	2210
5	853	912	1350	1180	3690	8070	10700	871	1260	2640	524	1670
6	808	865	1310	1160	4050	11600	5690	894	1430	2400	514	1910
7	785	847	1270	1530	4850	10100	5220	912	1230	1770	519	1480
8	768	825	1240	1890	3950	8770	5100	953	1030	1550	529	1010
9	752	819	1220	1940	3330	5720	3930	912	983	1160	558	813
10	730	808	2030	1740	6950	3400	2840	865	1120	882	563	703
11	724	756	2920	1560	9010	2520	2290	847	1010	757	534	655
12	714	785	2560	1420	4010	2110	2010	830	906	871	573	624
13	703	779	2200	1330	4670	1880	1830	819	888	1140	671	588
14	692	768	1890	1270	4510	1710	1680	819	935	894	543	614
15	692	779	1630	1260	3240	1600	1580	859	871	735	603	752
16	697	808	1530	1240	2650	1500	1480	859	752	665	639	888
17	692	1930	1430	1210	2630	1410	1400	842	687	619	746	779
18	763	4800	1360	1170	2750	1360	1360	802	655	583	741	681
19	1010	3940	1330	1150	2870	1300	1290	842	619	578	730	624
20	1080	2960	1280	1180	2640	1250	1240	1060	593	558	876	583
21	1280	2270	1240	1380	2280	1450	1190	1450	573	539	796	558
22	1150	1640	1230	1680	2010	4140	1150	1410	568	535	774	558
23	990	1790	1210	1920	1860	5720	1130	1130	553	530	730	558
24	1210	2600	1240	1810	1710	5280	1420	917	548	525	692	553
25	1060	3330	1290	1590	1630	4480	1360	813	548	520	681	539
26	1010	4780	1340	1430	1520	3190	1250	1260	568	700	665	529
27	1050	7340	1340	1340	1450	2270	1130	1230	573	900	593	524
28	5240	5390	1350	1300	1400	1800	1040	1040	578	800	583	524
29	4190	4290	1340	1360	---	1660	1000	900	558	680	624	514
30	2350	3500	1310	1540	---	8200	996	796	524	620	660	510
31	1690	---	1290	1470	---	15000	---	735	---	573	842	---
TOTAL	39362	64860	48170	43990	92570	123230	125906	29416	23869	30486	19653	26211
MEAN	1270	2162	1554	1419	3306	3975	4197	949	796	983	634	874
MAX	5240	7340	2920	1940	9010	15000	17500	1450	1430	2640	876	2210
MIN	692	768	1210	1150	1400	1250	996	735	524	520	514	510
CFSM	.73	1.24	.89	.81	1.89	2.27	2.40	.54	.46	.56	.36	.50
IN.	.84	1.38	1.03	.94	1.97	2.62	2.68	.63	.51	.65	.42	.56

CAL YR 1980 TOTAL 1762912 MEAN 4817 MAX 55800 MIN 692 CFSM 2.76 IN 37.52
WTR YR 1981 TOTAL 667723 MEAN 1829 MAX 17500 MIN 510 CFSM 1.05 IN 14.21

PASCAGOULA RIVER BASIN

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02473000 LEAF RIVER AT HATTIESBURG, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.00	4.13	5.65	---	3.93	3.88	15.71	3.52	3.01	3.09	2.60	3.67
2	4.40	3.80	4.78	---	6.52	3.82	17.09	3.46	3.03	4.64	2.57	3.55
3	3.84	3.62	4.39	---	6.92	4.00	16.76	3.38	3.44	4.28	2.57	4.78
4	3.50	3.50	4.16	---	7.22	4.36	15.39	3.33	3.40	4.48	2.65	5.11
5	3.32	3.42	4.03	---	6.76	10.72	12.63	3.31	3.91	5.71	2.56	4.37
6	3.24	3.34	3.96	---	7.13	13.25	8.78	3.35	4.17	5.43	2.54	4.71
7	3.20	3.31	3.89	3.96	7.97	12.20	8.35	3.38	3.88	4.62	2.55	4.10
8	3.17	3.27	3.84	4.50	7.05	11.25	8.23	3.45	3.57	4.31	2.57	3.38
9	3.14	3.26	3.80	4.58	6.38	8.80	7.09	3.38	3.49	3.72	2.63	3.05
10	3.10	3.24	4.92	4.29	9.66	6.50	5.93	3.30	3.71	3.28	2.63	2.85
11	3.09	3.22	6.00	4.03	11.35	5.50	5.29	3.27	3.54	3.06	2.57	2.75
12	3.07	3.20	5.58	3.83	7.04	4.98	4.94	3.24	3.36	3.25	2.64	2.69
13	3.05	3.19	5.12	3.70	7.76	4.68	4.70	3.22	3.33	3.70	2.83	2.62
14	3.03	3.17	4.70	3.62	7.63	4.46	4.51	3.22	3.41	3.29	2.59	2.67
15	3.03	3.19	4.33	3.60	6.27	4.30	4.36	3.29	3.30	3.01	2.70	2.92
16	3.04	3.24	4.18	3.58	5.60	4.15	4.23	3.29	3.09	2.88	2.77	3.17
17	3.03	4.76	4.02	3.54	5.58	4.03	4.11	3.26	2.97	2.79	2.97	2.97
18	3.16	7.98	3.92	3.48	5.72	3.96	4.05	3.19	2.91	2.72	2.95	2.79
19	3.56	7.14	3.86	3.45	5.87	3.88	3.96	3.26	2.84	2.70	2.94	2.68
20	3.70	6.13	3.78	3.51	5.60	3.80	3.88	3.61	2.79	2.66	3.20	2.60
21	4.00	5.33	3.70	3.80	5.15	4.11	3.81	4.21	2.75	2.62	3.05	2.55
22	3.80	4.52	3.68	4.24	4.80	7.30	3.75	4.16	2.73	---	3.00	2.54
23	3.55	4.72	3.64	4.59	4.60	8.80	3.72	3.73	2.70	---	2.93	2.54
24	3.90	5.72	3.68	4.44	4.40	8.40	4.16	3.38	2.69	---	2.86	2.53
25	3.66	6.52	3.74	4.12	4.28	7.64	4.09	3.20	2.69	---	2.84	2.50
26	3.56	7.92	3.80	3.90	4.12	6.30	3.92	3.92	2.73	---	2.79	---
27	3.65	10.14	3.80	3.77	4.03	5.22	3.74	3.88	2.74	---	2.66	---
28	8.24	8.51	3.80	3.70	3.95	4.62	3.60	3.59	2.74	---	2.64	---
29	7.36	7.49	3.78	3.81	---	4.43	3.53	3.35	2.70	---	2.72	---
30	5.42	6.69	3.72	4.06	---	10.59	3.52	3.17	2.63	---	2.79	---
31	4.56	---	3.68	3.96	---	15.53	---	3.06	---	2.67	3.12	---
MEAN	3.85	4.92	4.19	---	6.19	6.63	6.59	3.43	3.14	---	2.76	---
MAX	8.24	10.14	6.00	---	11.35	15.53	17.09	4.21	4.17	---	3.20	---
MIN	3.03	3.17	3.64	---	3.93	3.80	3.52	3.06	2.63	---	2.54	---

PASCAGOULA RIVER BASIN

02473260 LEAF RIVER NEAR PALMER, MS

LOCATION.--Lat 31°15'40", long 89°13'35", in SW¼ sec.32, T.4 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, at downstream side of bridge on county road, 0.6 mi (1.0 km) east of Palmer, and 3.2 mi (5.1 km) northwest of Four Points, and at mile 61.6 (99.1 km).

DRAINAGE AREA.--1,809 mi² (4,685 km²).

PERIOD OF RECORD.--Water years 1971-75, 1978 to August 1981 (discontinued).

REVISED RECORD.--WDR MS-80-1: Drainage area.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- CORAL UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
NOV 24...	1400	2490	56	6.4	12.0	30	5.4	9.3	K1200	.26	.010	.27
DEC 16...	1315	1450	67	6.6	11.5	30	5.2	--	440	.21	.010	.22
JAN 15...	1245	1220	70	6.9	6.5	20	4.5	11.9	--	.29	.010	.30
MAR 10...	1245	3400	52	6.4	14.0	70	46	8.8	270	.18	.020	.20
APR 06...	1245	5400	50	6.4	20.0	70	65	7.5	240	.08	.020	.10
MAY 04...	1300	1020	77	6.7	23.0	30	3.6	7.8	300	.36	.020	.38
JUN 08...	1500	1280	57	6.4	28.0	50	18	6.8	480	.47	.020	.49
AUG 12...	1545	800	64	6.5	31.0	20	7.5	6.8	84	.32	.020	.34

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)
NOV 24...	.080	.10	.31	.39	.66	2.9	.100	.31	.050	6.8	45	303
DEC 16...	.150	.18	.32	.47	.69	3.1	.160	.49	.090	4.8	76	298
JAN 15...	.140	.17	.14	.28	.58	2.6	.060	.18	.030	3.6	52	171
MAR 10...	.140	.17	.27	.41	.61	2.7	.110	.34	.050	7.2	153	1410
APR 06...	.090	.11	.52	.61	.71	3.1	.120	.37	.050	8.0	172	2510
MAY 04...	.150	.18	.31	.46	.84	3.7	.180	.55	.110	3.9	36	99
JUN 08...	.100	.12	.57	.67	1.2	5.1	.190	.58	.110	6.7	310	1070
AUG 12...	.120	.15	.34	.46	.80	3.5	.190	.58	.120	3.4	87	188

PASCAGOULA RIVER BASIN

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02473260 LEAF RIVER NEAR PALMER, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY LAB (MG/L AS CACO3)
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JUN 08...	11	7.0	2.7	1.0	5.7	49	.8	1.8	4.0
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DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
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JUN 08...	4.7	7.2	2	<10	5	0	.00	27	5
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PESTICIDE ANALYSES, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
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JUN 08...	<1	<1.0	<.1	<1.0	<.1	.2	<.1	<.1	<.1	<.1
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DATE	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATERIAL (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOTTOM MATERIAL (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATERIAL (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATERIAL (UG/KG)
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JUN 08...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
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DATE	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
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JUN 08...	<.1	<.1	<.10	<1.0	<.1	0	.00	0	0
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PASCAGOULA RIVER BASIN

02473460 TALLAHALA CREEK AT WALDRUP, MS

LOCATION.--Lat 31°57'58", long 89°06'55", in SW¼ sec.31, T.2 N., R.12 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, near right bank on downstream side of bridge on State Highway 528, 0.8 mi (1.3 km) east of Waldrup and 11.6 mi (18.7 km) east of Bay Springs.

DRAINAGE AREA.--102 mi² (264 km²).

PERIOD OF RECORD.--Occasional discharge measurements, water years 1961, 1964-65, and annual maximums, water years 1969-79. October 1979 to current year.

GAGE.--Water-stage recorder. Datum of gage is 290.00 ft (88.392 m) National Geodetic Vertical Datum of 1929. Prior to October 1979, datum of gage at NGVD. October 1979 to September 1980, non-recording gage and crest-stage gage at same site and datum.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,900 ft³/s (507 m³/s) Apr. 13, 1974, gage height 23.18 ft (7.065 m) present datum; minimum 2.4 ft³/s (0.068 m³/s) July 24, 1981, gage height, 7.68 ft (2.341 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft³/s (56.6 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Feb. 11	2300	2150	60.9	17.81	5.428	Mar. 31	0100	*3630	102.8	187.5	5.715
Mar. 5	1600	2480	70.2	18.04	5.499						

Minimum daily discharge, 2.4 ft³/s (0.068 m³/s) July 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	20	34	16	70	33	1600	17	12	4.8	3.3	223
2	17	17	29	17	464	33	1920	16	12	7.2	4.8	218
3	13	15	23	17	470	41	828	14	16	13	4.2	178
4	13	12	19	16	120	227	192	13	21	11	4.6	563
5	9.5	9.5	19	16	69	2140	242	13	20	9.0	4.8	524
6	7.0	10	19	18	174	1620	364	14	18	22	4.0	114
7	6.6	10	20	50	318	456	133	16	15	17	3.8	33
8	7.0	9.5	20	63	141	129	90	14	22	14	6.0	17
9	7.0	9.5	22	39	96	87	135	16	24	10	4.8	12
10	6.2	13	65	27	251	67	66	16	14	7.8	4.0	9.6
11	5.8	14	86	22	1000	55	58	18	11	7.2	3.8	8.3
12	5.4	15	52	20	888	52	54	12	15	5.8	3.6	7.5
13	5.0	15	41	19	232	48	50	11	16	4.6	3.6	7.2
14	5.0	13	33	20	114	42	46	12	13	3.8	4.6	6.9
15	5.4	15	26	21	96	39	42	13	9.0	3.8	4.6	6.5
16	5.0	20	23	21	128	37	40	18	8.3	4.0	4.2	6.0
17	7.5	20	19	21	286	37	36	67	7.2	3.2	11	5.8
18	25	47	20	21	388	40	33	83	4.8	3.0	7.5	5.5
19	43	24	22	20	278	39	29	41	6.3	3.2	7.8	5.3
20	25	22	21	24	119	37	27	90	6.3	5.8	7.2	5.0
21	13	20	19	37	90	42	24	43	6.3	4.7	6.0	4.8
22	8.5	18	19	39	70	617	23	19	6.8	3.3	5.5	4.6
23	7.5	75	19	36	64	1080	21	17	5.8	2.6	5.0	4.5
24	49	200	21	34	55	352	24	12	6.0	2.4	4.8	4.3
25	87	76	22	35	41	120	27	15	6.0	3.3	4.5	4.1
26	20	88	22	23	38	80	22	33	7.2	6.0	4.0	3.9
27	13	467	20	21	33	61	20	50	6.3	7.1	3.8	3.8
28	82	250	22	27	33	55	19	24	6.0	5.8	3.6	3.6
29	73	83	20	108	---	78	18	17	4.8	5.3	3.5	3.5
30	39	41	20	58	---	1260	19	14	5.0	5.0	5.0	3.3
31	22	---	17	43	---	2720	---	13	---	5.3	17	---
TOTAL	660.4	1648.5	834	949	6126	11724	6202	771	331.1	211.0	164.9	1996.0
MEAN	21.3	55.0	26.9	30.6	219	378	207	24.9	11.0	6.81	5.32	66.5
MAX	87	467	86	108	1000	2720	1920	90	24	22	17	563
MIN	5.0	9.5	17	16	33	33	18	11	4.8	2.4	3.3	3.3
CFSM	.21	.54	.26	.30	2.15	3.71	2.03	.24	.11	.07	.05	.65
IN.	.24	.60	.30	.35	2.23	4.28	2.26	.28	.12	.08	.06	.73
CAL YR 1980	TOTAL	90875.6	MEAN	248	MAX	4350	MIN	4.4	CFSM	2.43	IN	33.14
WTR YR 1981	TOTAL	31617.9	MEAN	86.6	MAX	2720	MIN	2.4	CFSM	.85	IN	11.53

02473500 TALLAHALA CREEK AT LAUREL, MS

LOCATION.--Lat 31°40'50", long 89°06'55", in NE¼NE¼ sec.8, T.8 N., R.11 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, on right bank at downstream side of bridge on State Highway 15, 0.5 mi (0.8 km) upstream from Gulf, Mobile and Ohio Railroad bridge, 0.5 mi (0.8 km) southeast of city limits of Laurel, and 13.1 mi (21.1 km) upstream from Tallahoma Creek.

DRAINAGE AREA.--238 mi² (616 km²).

PERIOD OF RECORD.--September 1938 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 201.37 ft (61.378 m) Mississippi State Highway Department datum. Prior to Dec. 14, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years, 348 ft³/s (9.855 m³/s), 19.86 in/yr (504 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,300 ft³/s (660 m³/s) Apr. 14, 1974, gage height, 23.28 ft (7.096 m), from floodmark; minimum, 1.8 ft³/s (0.051 m³/s) Nov. 3, 1952, Oct. 31, Nov. 1, 1963; minimum gage height, 1.21 ft (0.369 m) Oct. 31, Nov. 1, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1880, about 26 ft (7.9 m) Dec. 9, 1919. Flood in April 1900 reached a stage of about 24 ft (7.3 m), from information by local residents. Flood in April 1938 reached a stage of 20.7 ft (6.31 m) from information by Mississippi State Highway Department.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,980 ft³/s (141 m³/s) Apr. 2, gage height, 17.02 ft (5.188 m); minimum, 7.6 ft³/s (0.22 m³/s) Aug. 10, gage height, 1.87 ft (0.570 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	75	189	53	190	111	2450	47	43	17	8.8	10
2	71	54	125	51	307	103	4620	44	40	22	9.5	41
3	59	43	101	49	413	99	3300	41	48	17	9.8	251
4	43	37	85	48	513	196	2580	40	37	16	14	303
5	32	33	74	48	519	1100	2410	38	41	18	14	279
6	26	31	69	53	424	1410	1940	38	58	23	12	402
7	25	29	62	69	481	1470	1180	37	57	28	9.8	402
8	22	27	59	91	550	1900	587	38	54	28	9.0	177
9	19	25	67	130	501	2420	328	39	100	28	8.3	80
10	18	25	101	139	614	1890	248	40	78	28	7.8	51
11	18	25	183	106	891	703	210	38	71	25	7.8	37
12	17	24	183	87	959	282	181	37	62	22	7.8	31
13	17	24	168	76	913	222	159	35	49	18	8.5	26
14	16	25	124	69	911	189	141	34	44	16	9.3	24
15	16	26	99	63	947	165	129	32	44	15	9.5	22
16	15	28	84	59	646	151	115	31	39	13	14	20
17	16	31	76	59	379	137	104	31	34	13	9.8	18
18	20	33	71	56	514	128	94	31	29	25	7.8	17
19	24	49	67	56	574	121	87	64	26	19	9.8	16
20	30	62	63	59	555	112	82	70	27	14	11	15
21	54	69	59	60	376	118	76	119	24	12	17	14
22	50	56	56	71	268	255	70	141	22	16	14	14
23	37	92	54	80	215	605	72	88	20	10	13	13
24	37	127	61	90	188	766	67	59	19	9.5	11	13
25	31	203	63	84	171	835	65	47	18	9.3	11	12
26	35	390	74	76	147	917	65	192	17	9.3	11	12
27	41	416	72	71	130	639	65	109	17	8.8	9.8	11
28	102	494	70	65	120	251	65	116	16	8.5	9.5	11
29	118	499	62	65	---	204	58	100	15	8.5	8.8	11
30	138	387	57	119	---	1100	52	70	15	8.0	10	11
31	131	---	55	155	---	1880	---	52	---	7.8	11	---
TOTAL	1313	3439	2733	2357	13416	20479	21600	1898	1164	512.7	324.4	2344
MEAN	42.4	115	88.2	76.0	479	661	720	61.2	38.8	16.5	10.5	78.1
MAX	138	499	189	155	959	2420	4620	192	100	28	17	402
MIN	15	24	54	48	120	99	52	31	15	7.8	7.8	10
CFSM	.18	.48	.37	.32	2.01	2.78	3.03	.26	.16	.07	.04	.33
IN.	.21	.54	.43	.37	2.10	3.20	3.38	.30	.18	.08	.05	.37

CAL YR 1980 TOTAL 234577.0 MEAN 641 MAX 12300 MIN 14 CFSM 2.69 IN 36.66
WTR YR 1981 TOTAL 71580.1 MEAN 196 MAX 4620 MIN 7.8 CFSM .82 IN 11.19

PASCAGOULA RIVER BASIN

02474500 TALLAHALA CREEK NEAR RUNNELSTOWN, MS

LOCATION.--Lat 31°19'57", long 89°06'46", in SE¼SE¼ sec.5, T.4 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, on right bank at downstream side of bridge on county highway between Sunrise and Runnelstown, 3.0 mi (4.8 km) south of Runnelstown, and 11.6 mi (18.7 km) upstream from mouth.

DRAINAGE AREA.--612 mi² (1,585 km²).

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 104.58 ft (31.876 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1971, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--42 years, 949 ft³/s (26.88 m³/s), 21.06 in/yr (535 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,800 ft³/s (929 m³/s) Feb. 24, 1961, gage height, 29.84 ft (9.095 m) in gage well, 30.07 ft (9.165 m) from outside gage, present datum; minimum, 29 ft³/s (0.82 m³/s) Oct. 31, 1963; minimum gage height, 4.64 ft (1.414 m) Nov. 3, 4-5, 6, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since bout 1865, 30½ ft (9½ m) in April 1900; flood in December 1919 reached a stage of 26½ ft (8 m), and flood in about 1865 reached a stage between 26½ ft (8 m) and 30½ ft (9½ m), all from information by local residents, at datum 5.00 ft (1.524 m) higher.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,850 ft³/s (166 m³/s) Apr. 5, gage height, 16.84 ft (5.133 m); minimum, 51 ft³/s (1.44 m³/s) Aug. 12, gage height, 4.99 ft (1.521 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	425	414	903	236	423	394	3440	210	175	119	56	378
2	214	314	600	229	1250	375	4000	192	162	403	60	149
3	179	251	447	225	1390	356	4610	182	196	238	58	721
4	200	214	378	219	1130	403	5530	175	229	146	64	994
5	168	194	337	214	1160	1280	5710	167	190	134	68	915
6	142	180	306	212	1660	2350	4880	167	178	180	63	683
7	123	173	284	304	1870	2670	3980	167	169	186	77	760
8	114	162	270	367	1520	2700	2870	167	173	151	76	733
9	107	156	263	400	1360	2640	1690	165	163	132	82	447
10	104	151	740	441	3040	2770	1080	163	196	122	66	256
11	99	146	683	412	4750	2760	824	160	261	118	57	186
12	92	142	654	356	3100	1710	691	156	289	107	63	151
13	87	139	604	321	2310	851	597	149	337	98	63	127
14	85	137	519	296	2040	661	526	147	229	91	53	116
15	84	142	429	272	1920	562	465	149	163	83	54	149
16	82	149	367	258	1770	503	420	147	146	80	54	254
17	87	158	327	249	1480	459	383	139	134	82	60	141
18	109	169	301	240	1160	426	350	135	127	78	94	113
19	148	167	284	236	1200	392	324	135	115	75	80	116
20	152	194	272	242	1230	369	304	171	106	144	75	104
21	140	238	261	272	1160	353	287	202	98	98	66	94
22	136	249	251	282	924	973	272	254	96	81	63	87
23	156	319	245	306	733	1300	270	306	93	71	64	85
24	198	453	254	319	618	1530	304	263	90	70	68	77
25	200	468	282	319	549	1630	311	206	91	66	64	75
26	164	871	291	304	509	1620	263	282	89	65	59	72
27	142	1920	287	287	459	1500	251	710	85	63	56	71
28	1120	1530	291	272	420	1180	231	397	81	60	54	68
29	687	1310	277	258	---	702	227	314	78	66	55	66
30	490	1140	263	249	---	2650	229	251	80	64	118	65
31	484	---	247	279	---	2890	---	210	---	59	593	---
TOTAL	6718	12250	11917	8876	41135	40959	45319	6638	4619	3530	2583	8253
MEAN	217	408	384	286	1469	1321	1511	214	154	114	83.3	275
MAX	1120	1920	903	441	4750	2890	5710	710	337	403	593	994
MIN	82	137	245	212	420	353	227	135	78	59	53	65
CFSM	.36	.67	.63	.47	2.40	2.16	2.47	.35	.25	.19	.14	.45
IN.	.41	.74	.72	.54	2.50	2.49	2.75	.40	.28	.21	.16	.50
CAL YR 1980	TOTAL	606863	MEAN	1658	MAX	19200	MIN	82	CFSM	2.71	IN	36.89
WTR YR 1981	TOTAL	192797	MEAN	528	MAX	5710	MIN	53	CFSM	.86	IN	11.72

PASCAGOULA RIVER BASIN

81

02474600 BOGUE HOMO NEAR RICHTON, MS

LOCATION.--Lat 31°24'12", long 89°01'18", in NE¼NW¼ sec.17, T.5 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, near right bank at downstream side of bridge on county highway, 0.5 mi (0.8 km) upstream from Linda Creek, 1.0 mi (1.6 km) downstream from Sweetwater Creek, 3.5 mi (5.6 km) upstream from State Highway 42, and 6.0 mi (9.7 km) northwest of Richton.

DRAINAGE AREA.--344 mi² (891 km²).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1943 (corrected), 1955-56, 1965. October 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 117 ft (35.7 m), from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--11 years, 610 ft³/s (17.28 m³/s), 24.08 in/yr (612 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,900 ft³/s (620 m³/s) Dec. 28, 1973, gage height, 27.63 ft from floodmark; minimum, 6.2 ft³/s (0.18 m³/s) Aug. 1, 2, 4, 5, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood prior to January 1941, reached a stage of 26½ ft (8 m) and the flood of Mar. 21, 1943, reached a stage of 25.7 ft (7.83 m) at site 3.5 mi (5.6 km) downstream at different datum (from information by Corps of Engineers). A discharge of 4.7 ft³/s (0.13 m³/s) was measured Oct. 16, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,990 ft³/s (141 m³/s) Feb. 11, gage height, 13.86 ft (4.224 m), only peak above base of 4,000 ft³/s (113 m³/s); minimum, 6.2 ft³/s (0.18 m³/s) Aug. 1, 2, 4, 5, gage height, 3.26 ft (0.994 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	92	165	74	27	157	2240	45	108	32	6.4	71
2	40	78	119	69	400	151	1280	35	79	148	6.4	57
3	35	65	92	55	600	157	1620	32	80	187	6.6	140
4	40	55	78	57	548	167	2260	30	89	210	6.6	458
5	31	48	68	55	540	428	2050	28	202	120	6.4	346
6	27	41	62	53	1090	695	1720	27	205	104	7.0	197
7	24	37	57	107	1410	625	1300	27	144	142	10	156
8	22	34	51	139	1090	690	790	27	97	170	14	148
9	20	32	56	151	810	1070	413	26	79	122	12	100
10	19	31	396	149	3190	1350	271	26	66	92	10	108
11	18	30	560	149	4790	1200	207	26	85	63	9.0	128
12	17	27	319	133	3440	645	175	25	154	49	8.5	128
13	17	26	210	105	2460	272	150	24	124	37	8.5	128
14	16	25	149	92	2090	202	132	24	95	31	8.0	128
15	16	26	113	77	1760	172	122	23	130	24	8.5	136
16	16	27	93	66	1460	155	114	21	200	19	7.5	319
17	18	30	83	66	1060	141	104	21	202	16	16	470
18	21	35	72	69	730	129	100	20	120	15	52	384
19	30	39	66	80	685	125	86	24	74	13	23	283
20	28	40	61	71	745	109	76	30	55	13	16	172
21	26	38	58	60	700	103	71	25	38	11	21	142
22	26	35	90	77	508	313	67	61	31	9.0	17	126
23	31	62	84	103	331	620	63	95	27	9.0	13	98
24	36	65	68	101	262	496	80	80	26	8.0	11	85
25	38	92	65	97	232	404	63	55	67	7.5	10	80
26	32	319	71	90	207	400	67	106	50	9.0	9.0	65
27	30	1040	125	84	187	416	60	142	34	8.5	7.5	43
28	800	830	97	77	172	316	62	241	25	7.5	7.5	37
29	512	428	80	71	---	202	52	307	21	7.0	8.0	36
30	215	262	80	69	---	805	58	328	18	7.0	52	38
31	125	---	75	66	---	2710	---	215	---	6.8	126	---
TOTAL	2406	3989	3763	2712	31584	15425	15853	2196	2725	1697.3	524.4	4807
MEAN	77.6	133	121	87.5	1128	498	528	70.8	90.8	54.8	16.9	160
MAX	800	1040	560	151	4790	2710	2260	328	205	210	126	470
MIN	16	25	51	53	87	103	52	20	18	6.8	6.4	36
CFSM	.23	.39	.35	.25	3.28	1.45	1.54	.21	.26	.16	.05	.47
IN.	.26	.43	.41	.29	3.42	1.67	1.71	.24	.29	.18	.06	.52

CAL YR 1980 TOTAL 276093.0 MEAN 754 MAX 12500 MIN 16 CFSM 2.19 IN 29.86
WTR YR 1981 TOTAL 27681.7 MEAN 240 MAX 4790 MIN 6.4 CFSM .70 IN 9.48

PASCAGOULA RIVER BASIN

02474740 LEAF RIVER AT BEAUMONT, MS

LOCATION.--Lat 31°10'56", long 88°55'08", in NW¼ sec.32, T.3 N., R.9 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, at downstream side of bridge on State Highway 15, 1.4 mi (2.3 km) north of intersection of State Highway 15 and U.S. Highway 98 in Beaumont, and at mile 24.8 (39.9 km).

DRAINAGE AREA.--3,011 mi² (7,798 km²).

PERIOD OF RECORD.--Water years 1965, 1972, 1978 to August 1981 (discontinued).

REVISED RECORD.--WDR MS-80-1: Drainage area.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- CURALT UNITS)	TUR- BID- ITY (HTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
NOV 24...	1500	3000	70	6.6	12.0	40	6.8	9.2	900	.27	.010	.28
DEC 16...	1445	2450	74	6.6	11.5	20	3.5	--	K89	.21	.010	.22
JAN 15...	1345	2000	76	6.8	5.5	20	4.1	12.0	--	.26	.010	.27
MAR 10...	1400	8900	63	6.4	14.0	80	.80	8.6	440	.10	.020	.12
APR 06...	1400	19000	47	6.2	20.0	70	45	7.2	K110	.04	.010	.05
MAY 04...	1400	1900	73	6.7	23.0	25	2.8	8.4	40	.36	.010	.37
JUN 10...	0800	1860	62	6.4	29.0	40	13	6.4	130	.51	.010	.52
AUG 12...	1700	1030	58	6.8	31.0	25	6.2	7.6	K2	.33	.010	.34

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
NOV 24...	.070	.08	.35	.42	.70	3.1	.130	.40	.070	7.5	42	340
DEC 16...	.140	.17	.29	.43	.65	2.9	.110	.34	.060	5.7	38	251
JAN 15...	.010	.01	.21	.22	.49	2.2	.050	.15	.030	4.2	58	313
MAR 10...	.070	.08	.48	.55	.67	3.0	.090	.28	.040	10	154	3700
APR 06...	.040	.05	.39	.43	.48	2.1	.080	.25	.030	9.8	128	6570
MAY 04...	.030	.04	.44	.47	.84	3.7	.120	.37	.080	3.3	32	164
JUN 10...	.070	.08	.44	.51	1.0	4.6	.150	.46	.100	6.9	350	1960
AUG 12...	.030	.04	.40	.43	.77	3.4	.120	.37	.070	3.9	160	445

PASCAGOULA RIVER BASIN

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02474740 LEAF RIVER AT BEAUMONT, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SURP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY LAB (MG/L AS CACO3)
JUN 10...	10	3.0	2.4	1.0	7.0	55	1.0	1.8	7.0

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
JUN 10...	5.2	8.2	3	<10	3	0	.00	30	9

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUN 10...	2	<1.0	<.1	2.0	1.3	.7	<.1	<.1	<.1	<.1

DATE	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)
JUN 10...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1

DATE	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-DP, IN BOTTOM MAT. (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUN 10...	<.1	<.1	<.10	<1.0	<.1	0	.00	0	0

PASCAGOULA RIVER BASIN

02475000 LEAF RIVER NEAR McLAIN, MS

LOCATION.--Lat 31°06'10", long 88°48'30", in SE¼ sec.29, T.2 N., R.8 W., St. Stephens Meridian, Greene County, on downstream side of right main pier of bridge on U.S. Highway 98, 1.2 mi (1.9 km) east of McLain, 1.8 mi (2.9 km) downstream from Atkinson Creek, 5.5 mi (8.5 km) upstream from Big Oktibbee Creek, and 14.6 mi (23.5 km) upstream from confluence with Chickasawhay River.

DRAINAGE AREA.--3,495 mi² (9,050 km²).

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 42.15 ft (12.847 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 8, 1940, nonrecording gage at same site and datum.

REMARKS.--Records fair. No gage height record, Aug. 9-29.

AVERAGE DISCHARGE.--42 years, 5,449 ft³/s (154.3 m³/s), 21.17 in/yr (538 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 128,000 ft³/s (3,620 m³/s) Feb. 26, 1961, gage height, 31.64 ft (9.644 m); minimum, 478 ft³/s (13.5 m³/s) Oct. 22, 1963; minimum gage height, 1.78 ft (0.543 m) Oct. 28, 29; Nov. 1, 2, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1900 reached a stage of about 32 ft (9.8 m), from information by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 28,000 ft³/s (793 m³/s) Feb. 12, gage height, 20.51 ft (6.251 m); minimum daily, 860 ft³/s (24.4 m³/s) Aug. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3960	3140	5480	1660	1850	2770	18800	1760	1420	861	1200	2240
2	3180	2600	4340	1630	2880	2640	20200	1700	1260	1460	1110	2340
3	2150	2210	3420	1600	5670	2540	21000	1630	2330	3520	1360	2640
4	1710	1960	2910	1570	6200	2510	22300	1560	2430	3080	1290	3720
5	1460	1800	2570	1540	5870	3950	23700	1500	1740	3300	1050	4130
6	1300	1690	2330	1530	8940	9680	23500	1490	1830	4900	990	3440
7	1200	1610	2170	1640	11900	13600	20200	1490	2030	4880	940	3200
8	1140	1570	2080	2050	10000	14700	14800	1490	1820	3850	1400	2800
9	1100	1520	2000	2430	9900	14100	10900	1500	1700	2940	1200	2340
10	1080	1490	2160	2540	10200	11600	7260	1470	1520	2290	1000	1820
11	1060	1460	4080	2400	20000	8850	5280	1420	1570	1970	960	1490
12	1050	1430	4390	2180	27500	7090	4340	1380	2050	1670	920	1350
13	1020	1410	3910	2010	25000	4880	3780	1340	1890	1530	910	1270
14	1010	1390	3410	1850	20300	3710	3420	1310	1620	1820	960	1230
15	996	1390	2950	1750	15800	3300	3130	1310	1470	1600	980	1240
16	991	1390	2590	1690	12100	3050	2900	1320	1360	1380	960	1880
17	986	1420	2340	1650	9760	2860	2700	1310	1300	1310	960	1970
18	960	2340	2160	1620	7990	2680	2550	1290	1210	1100	1000	1790
19	950	4640	2030	1590	6770	2550	2430	1280	1110	1040	1020	1610
20	940	4380	1930	1600	6320	2430	2300	1420	1060	1000	1060	1360
21	2000	3410	1860	1610	5910	2340	2180	1460	1040	980	1050	1370
22	2500	2880	1810	1730	5420	5130	2290	1760	1030	950	1030	1230
23	2000	2550	1780	1990	4840	8290	2180	1850	1010	920	1000	1150
24	1310	2750	1780	2260	4240	8920	2130	1700	1010	900	950	1100
25	1490	3440	1840	2220	3770	8380	2400	1480	995	890	920	1020
26	1460	4420	1900	2020	3420	7330	2360	1540	975	890	900	990
27	1320	8920	1920	1860	3150	6030	2110	2060	942	910	880	960
28	2470	11400	1910	1740	2940	4940	1960	2250	906	890	860	940
29	7080	8970	1820	1670	---	4040	1920	1900	875	1220	1000	920
30	6320	6700	1740	1680	---	9640	1850	1780	866	1580	1200	900
31	4060	---	1700	1800	---	17200	---	1620	---	1710	1330	---
TOTAL	60253	96280	79310	57110	258640	201730	236870	48370	42369	57341	32390	54440
MEAN	1944	3209	2558	1842	9237	6507	7896	1560	1412	1850	1045	1815
MAX	7080	11400	5480	2540	27500	17200	23700	2250	2430	4900	1400	4130
MIN	940	1390	1700	1530	1850	2340	1850	1280	866	861	860	900
CFSM	.56	.92	.73	.53	2.64	1.86	2.26	.45	.40	.53	.30	.52
IN.	.64	1.02	.84	.61	2.75	2.15	2.52	.51	.45	.61	.34	.58

CAL YR 1980 TOTAL 3431333 MEAN 9375 MAX 85000 MIN 940 CFSM 2.68 IN 36.52
WTR YR 1981 TOTAL 1225103 MEAN 3356 MAX 27500 MIN 860 CFSM .96 IN 13.04

02475500 CHUNKY RIVER NEAR CHUNKY, MS

LOCATION.--Lat 32°19'35", long 88°54'35", in SE¼SW¼ sec.30, T.6 N., R.14 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on right bank at downstream side of bridge on U.S. Highway 80, 2,500 ft (762 m) upstream from Illinois Central Railroad bridge, 1.2 mi (1.9 km) east of Chunky, 3.2 mi (5.1 km) upstream from Tallahatta Creek, and 5.5 mi (8.8 km) downstream from Concobona Creek.

DRAINAGE AREA.--369 mi² (956 km²).

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1963, published as Chunky Creek near Chunky.

REVISED RECORDS.--WSP 1724: 1950(M). WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 269.00 ft (81.991 m) National Geodetic Vertical Datum of 1929. Prior to Mar. 24, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years, 495 ft³/s (14.02 m³/s), 18.22 in/yr (463 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,900 ft³/s (1,160 m³/s) Mar. 4, 1979; gage height, 26.64 ft (8.120 m); minimum, 1.6 ft³/s (0.45 m³/s) Sept. 28-30, 1954; minimum gage height, 2.08 ft (0.634 m) Oct. 21, 22, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,760 ft³/s (276 m³/s) Apr. 2, gage height, 18.07 ft (5.508 m), only peak above base of 5,000 ft³/s (142 m³/s); minimum, 11 ft³/s (0.31 m³/s) Aug. 17, 28, 29, Sept. 29, 30; minimum gage height, 2.12 ft (0.646 m), Aug. 28, 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	129	300	129	203	210	7730	106	61	28	26	36
2	60	109	258	127	816	917	8750	98	78	55	21	60
3	54	99	231	122	936	1000	6560	91	161	87	18	115
4	44	52	208	122	457	1110	2990	86	153	78	17	145
5	37	87	193	119	312	2350	2010	84	153	68	16	101
6	32	81	185	120	317	2810	2650	79	183	63	31	66
7	30	80	177	215	394	2440	2270	79	122	75	32	45
8	29	78	169	331	338	866	1030	82	106	80	29	31
9	29	75	167	248	272	510	621	85	98	63	30	24
10	29	75	284	187	671	408	521	84	87	50	22	19
11	28	75	449	161	1590	355	437	84	186	42	18	17
12	27	74	314	146	1410	320	382	83	389	46	17	16
13	26	74	243	134	682	286	343	75	670	48	15	15
14	25	74	208	135	444	266	304	72	379	37	16	14
15	24	442	189	137	389	246	266	74	193	31	14	14
16	25	1100	183	135	404	230	233	77	124	29	12	22
17	28	835	181	130	551	233	212	79	92	33	12	18
18	756	620	169	122	695	220	201	83	76	51	13	17
19	674	532	159	119	574	202	188	133	65	30	13	17
20	620	257	151	134	437	186	179	447	57	25	19	16
21	222	215	144	255	361	181	163	358	50	21	19	15
22	109	185	139	300	317	1240	156	170	46	18	17	14
23	85	595	137	229	280	1900	157	116	42	16	16	14
24	87	1470	146	189	249	1530	204	90	39	15	16	13
25	111	1350	155	171	222	645	243	76	35	18	15	13
26	114	695	153	159	205	421	196	87	50	33	14	13
27	105	1150	144	151	193	346	151	145	64	52	13	13
28	425	1210	141	175	183	301	131	141	45	37	12	12
29	544	662	135	191	---	320	118	101	33	27	12	11
30	305	382	134	171	---	2160	112	80	28	23	12	11
31	167	---	132	153	---	6110	---	66	---	28	41	---
TOTAL	4917	12942	5978	5217	13902	30359	39508	3511	3865	1307	578	937
MEAN	159	431	193	168	497	979	1317	113	129	42.2	18.6	31.2
MAX	756	1470	449	331	1590	6110	8750	447	670	87	41	145
MIN	24	74	132	119	183	181	112	66	28	15	12	11
CFSM	.43	1.17	.52	.46	1.35	2.65	3.57	.31	.35	.11	.05	.09
IN.	.50	1.30	.60	.53	1.40	3.06	3.98	.35	.39	.13	.06	.09
CAL YR 1980 TOTAL	309512	MEAN 846	MAX 13400	MIN 20	CFSM 2.29	IN 31.20						
WTR YR 1981 TOTAL	123021	MEAN 337	MAX 8750	MIN 11	CFSM .91	IN 12.40						

PASCAGOULA RIVER BASIN

02476500 SOWASHEE CREEK AT MERIDIAN, MS

LOCATION.--Lat 32°22'10", long 88°40'40", in NE¼ sec.17, T.6 N., R.16 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, near right bank on upstream side of bridge on U.S. Highway 45, 0.6 mi (1.0 km) downstream from Southern Railway System bridge, and 9.5 mi (15.3 km) upstream from mouth.

DRAINAGE AREA.--52.1 mi² (134.9 km²).

PERIOD OF RECORD.--October 1950 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 305.95 ft (93.254 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 13, 1959, water-stage recorder and nonrecording gage at site 0.4 mi (0.6 km) upstream at datum 3.00 ft (0.914 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--31 years, 66.2 ft³/s (1.875 m³/s), 17.26 in/yr (438 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,530 ft³/s (270 m³/s) Apr. 6, 1964, gage height, 20.95 ft (6.386 m); maximum gage height, 22.98 ft (7.004 m) Mar. 4, 1979; minimum discharge, 0.20 ft³/s (0.006 m³/s) Oct. 4, 1954, and at times during July, August, September 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1900, 29.5 ft (8.99 m) in February 1936, at site 0.6 mi (1.0 km) upstream at present datum, from information by Southern Railway Company. Flood of Mar. 31, 1949, reached a stage of 26.6 ft (8.11 m), at site 0.6 mi (1.0 km) upstream at present datum, from information by Southern Railway Company. Flood of Apr. 8, 1938, reached a stage of 26 ft (7.9 m) at site 0.4 mi (0.6 km) upstream at present datum, from information by National Weather Service. The flood of Feb. 21, 1961, reached a stage 6.7 ft (2.04 m) lower than that of the flood in February 1936, at site 0.6 mi (1.0 km) upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,300 ft³/s (36.8 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 30	1330	*3200 90.6	17.34 5.285	Apr. 1	1145	1760 49.8	14.02 4.273

Minimum daily discharge, 1.4 ft³/s (0.040 m³/s) Aug. 28, Sept. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	15	22	13	76	60	1510	15	6.0	3.5	2.6	6.3
2	8.9	13	21	13	137	116	407	14	31	5.7	2.5	11
3	7.3	13	19	13	47	53	175	13	110	5.2	2.3	6.9
4	6.3	13	17	13	35	425	136	13	23	4.0	2.2	3.8
5	6.3	13	17	12	30	486	497	14	17	9.4	2.1	2.7
6	6.0	14	17	17	41	130	158	19	19	10	36	2.2
7	5.4	15	16	31	36	89	108	17	47	9.8	11	2.0
8	5.7	16	16	20	33	65	85	15	68	5.7	3.5	1.8
9	6.3	17	21	17	29	52	71	15	21	3.7	2.1	1.7
10	6.3	17	51	15	492	45	59	13	13	15	1.9	1.6
11	6.5	16	28	14	295	41	51	12	22	254	2.0	1.5
12	7.3	16	22	13	102	36	45	11	63	33	1.8	1.5
13	7.7	15	20	13	71	34	42	13	100	19	1.6	1.5
14	8.5	15	19	15	59	32	37	15	31	13	2.0	1.4
15	8.5	19	18	13	53	30	32	13	18	8.9	2.1	1.8
16	8.9	19	19	13	59	31	29	13	12	6.9	2.2	4.0
17	23	24	18	12	75	28	28	12	9.4	6.0	2.3	2.3
18	434	28	15	12	68	28	26	12	8.1	4.9	2.3	1.9
19	71	21	15	13	51	26	25	66	6.9	4.3	2.5	1.6
20	24	19	15	19	42	26	25	19	7.7	3.5	11	2.1
21	15	16	14	21	38	41	22	12	6.5	6.3	5.2	2.1
22	12	15	14	17	36	513	21	9.4	6.5	3.2	2.9	2.3
23	11	211	15	17	33	122	34	7.7	6.0	2.9	2.3	2.0
24	20	56	17	15	29	73	39	6.9	4.9	2.5	2.2	2.0
25	20	28	17	14	27	55	25	6.5	4.0	11	1.8	1.8
26	17	105	15	15	27	45	21	75	4.0	10	1.6	1.7
27	62	182	15	19	26	41	19	25	3.2	3.7	1.5	1.7
28	374	55	14	32	26	36	17	13	2.9	2.7	1.4	1.6
29	65	32	14	22	---	91	10	8.9	2.9	2.5	1.6	1.6
30	32	25	14	21	---	1960	17	6.9	2.7	2.3	1.9	1.5
31	20	---	14	20	---	479	---	6.0	---	2.6	3.7	---
TOTAL	1318.9	1063	569	514	2073	5289	3780	511.3	676.7	475.2	122.1	77.9
MEAN	42.5	35.4	18.4	16.6	74.0	171	126	16.5	22.6	15.3	3.94	2.60
MAX	434	211	51	32	492	1960	1510	75	110	254	36	11
MIN	5.4	13	14	12	26	26	17	6.0	2.7	2.3	1.4	1.4
CFSM	.82	.68	.35	.32	1.42	3.28	2.42	.32	.43	.29	.08	.05
IN.	.94	.76	.41	.37	1.48	3.78	2.70	.37	.48	.34	.09	.06
CAL YR 1980	TOTAL	43821.2	MEAN	120	MAX	2950	MIN	2.8	CFSM	2.30	IN	31.29
WTR YR 1981	TOTAL	16470.1	MEAN	45.1	MAX	1960	MIN	1.4	CFSM	.87	IN	11.76

87

LOCATION.--Lat 32°17'55", long 88°45'15", in SE¼SW¼ sec.3, T.5 N., R.15 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on right bank, 100 ft (30 m) downstream from Hognose Creek, 400 ft (120 m) upstream from bridge on county road, 0.6 mi (1.0 km) southeast of Arundel, and at mi 16.3 (26.2 km).

GAGE.--Water-stage recorder. Datum of gage is 259.04 ft (78.955 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Apr. 17, 1975, supplementary water-stage recorder at bridge 400 ft (120 m) downstream at same datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,460 ft³/s (126 m³/s) Mar. 31, gage height, 17.25 ft (5.258 m); minimum daily, 65 ft³/s (1.84 m³/s) Nov. 13-14.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	148	613	115	136	207	4000	327	90	78	98	131
2	139	194	611	114	206	347	3490	267	85	107	94	130
3	108	205	414	113	246	445	2350	179	107	100	92	129
4	81	200	233	113	238	867	1740	142	90	98	90	128
5	77	197	189	112	226	2240	1680	133	87	90	91	128
6	75	196	177	111	242	1010	1790	125	88	121	90	127
7	73	198	172	140	258	802	1620	125	83	116	104	123
8	73	200	168	152	265	1020	1520	124	100	109	114	118
9	73	196	170	149	266	1080	1500	123	98	107	113	118
10	71	180	246	140	324	881	1480	119	95	123	110	118
11	70	89	249	129	689	807	1470	116	92	199	107	115
12	68	66	217	122	691	778	1440	114	115	155	106	115
13	68	65	196	119	582	666	1410	112	120	120	105	112
14	69	65	189	110	650	474	1280	110	111	116	108	109
15	69	78	181	108	689	366	1020	109	103	114	109	105
16	69	78	181	105	708	324	623	108	98	112	110	101
17	76	210	180	104	729	258	488	107	93	109	110	99
18	1560	244	177	102	753	278	452	107	90	107	111	101
19	694	274	176	100	767	263	434	182	85	107	111	101
20	186	363	174	150	668	250	417	135	81	107	110	100
21	130	363	172	140	476	240	409	105	81	107	111	100
22	110	360	170	135	372	428	400	102	81	105	111	99
23	99	930	159	130	337	691	377	98	80	103	110	96
24	166	687	133	125	316	592	400	97	80	100	110	92
25	117	483	130	118	299	446	389	92	81	119	108	89
26	97	642	128	116	286	382	381	199	81	135	107	85
27	118	956	125	130	269	348	371	150	81	107	105	82
28	1230	646	121	120	227	321	365	119	80	107	102	80
29	322	628	119	110	---	303	352	111	80	.05	102	77
30	180	698	117	105	---	2320	349	103	79	102	102	75
31	143	---	115	104	---	3680	---	97	---	101	111	---
TOTAL	6585	9819	6397	3741	11915	23154	33997	4137	2715	3486	3262	3183
MEAN	212	328	206	121	426	747	1133	133	90.5	112	105	106
MAX	1560	956	613	152	767	3680	4000	327	120	199	114	131
MIN	68	65	115	100	136	207	349	92	79	78	90	75
CFSM	.62	.66	.60	.35	1.25	2.18	3.31	.39	.27	.33	.31	.31
IN.	.72	1.07	.70	.41	1.30	2.52	3.70	.45	.30	.38	.35	.35
CAL YR 1980	TOTAL	295354	MEAN	807	MAX	8100	MIN	65	CFSM	2.36	IN	32.13
WTR YR 1981	TOTAL	112411	MEAN	308	MAX	4000	MIN	65	CFSM	.90	IN	12.23

PASCAGOULA RIVER BASIN

02476600 OKATIBBEE CREEK AT ARUNDEL, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.85	3.61	7.01	3.59	3.81	4.47	16.65					
2	3.54	4.02	7.00	3.58	4.46	---	16.08					
3	3.23	4.12	5.91	3.57	4.78	---	---					
4	2.92	4.08	4.67	3.57	4.72	---	---					
5	2.87	4.05	4.31	3.56	4.62	---	11.07					
6	2.84	4.04	4.21	3.55	4.75	---	11.38					
7	2.82	4.06	4.16	3.85	4.87	---	10.74					
8	2.82	4.08	4.12	3.97	4.92	---	10.41					
9	2.82	4.04	4.14	3.94	4.93	9.03	10.33					
10	2.80	3.90	4.78	3.85	5.32	8.24	10.28					
11	2.78	3.00	4.80	3.74	7.37	7.92	10.23					
12	2.76	2.73	4.51	3.67	7.38	7.79	10.15					
13	2.76	2.72	4.37	3.64	6.85	7.27	10.03					
14	2.77	2.72	4.31	---	7.19	6.27	---					
15	2.77	2.88	4.24	---	7.38	5.62	---					
16	2.77	2.88	4.24	---	7.47	5.34	---					
17	2.85	4.03	4.23	---	7.57	5.16	---					
18	10.34	4.42	4.21	---	7.68	5.02	---					
19	6.81	4.62	4.20	---	7.74	4.91	---					
20	3.95	5.24	4.18	---	7.28	4.81	---					
21	3.45	5.24	4.16	---	6.28	4.73	---					
22	3.25	5.22	4.14	---	5.66	5.95	---					
23	3.12	8.00	4.04	---	5.43	7.39	---					
24	3.76	7.00	3.78	---	5.29	6.89	---					
25	3.32	5.95	3.75	---	5.17	6.11	---					
26	3.11	6.71	3.73	---	5.08	5.72	---					
27	3.24	8.20	3.70	---	4.95	5.50	---					
28	9.18	6.81	3.66	---	4.63	5.32	---					
29	4.94	6.71	3.64	---	---	5.20	---					
30	3.91	7.06	3.61	---	---	11.66	---					
31	3.58	---	3.59	---	---	16.01	---					
MEAN	3.74	4.74	4.37	---	5.84	---	---					
MAX	10.34	8.20	7.01	---	7.74	---	---					
MIN	2.76	2.72	3.59	---	3.81	---	---					

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS

LOCATION.--Lat 32°10'30", long 88°49'15", in SE¼NW¼ sec.24, T.4 N., R.14 E., Choctaw Meridian, Clarke County, Hydrologic Unit 03170002, on right bank at downstream side of bridge on State Highway 513 in Enterprise, 0.5 mi (0.8 km) downstream from confluence of Chunky River and Okatibbee Creek, and at mile 158.2 (254.5 km).

DRAINAGE AREA.--918 mi² (2,378 km²).

PERIOD OF RECORD.--August 1938 to current year. Daily mean gage heights published since January 1972. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1334: 1953. WRD Miss. 1966: 1965. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 207.62 ft (63.283 m) National Geodetic Vertical Datum of 1929. Prior to Jan. 6, 1939, National Weather Service nonrecording gage. Prior to Oct. 1, 1966, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records good. Flow from 154 mi² (399 km²) above the station, regulated by Okatibbee Lake since November 1968.

AVERAGE DISCHARGE.--43 years, 1,253 ft³/s (35.48 m³/s), 18.54 in/yr (471 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,700 ft³/s (1,750 m³/s) Feb. 23, 1961, gage height, 42.94 ft (13.088 m), present datum; minimum, 18 ft³/s (0.51 m³/s) Sept. 25-30, 1954, Oct. 22-25, 1963; minimum gage height, 3.95 ft (1.204 m) present datum, Oct. 13-20, 23, 24, 1952, Aug. 30, 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1900 reached a stage of 42.2 ft (12.86 m) present datum, from floodmark (from reports of National Weather Service).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,500 ft³/s (467 m³/s) Apr. 2, gage height, 29.54 ft (9.004 m), only peak above base of 10,000 ft³/s (283 m³/s); minimum, 104 ft³/s (2.95 m³/s) Sept. 30, gage height, 4.84 ft (1.475 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	426	362	1200	373	505	533	14600	523	219	128	155	308
2	281	355	1120	371	1600	1380	16200	445	226	212	150	237
3	232	366	980	366	1700	1850	15400	294	380	241	144	364
4	173	357	748	357	1100	2380	10000	266	457	241	142	373
5	145	336	611	351	798	5930	6070	259	342	270	141	308
6	134	323	575	355	917	5300	5930	304	390	270	139	232
7	129	316	552	546	965	4300	5070	282	316	280	268	198
8	126	316	528	676	908	2750	3560	273	353	261	189	166
9	125	308	531	601	784	1860	2390	270	344	234	166	150
10	122	304	754	486	1780	1460	2090	262	262	212	150	141
11	119	249	983	419	3960	1300	1930	248	275	326	142	131
12	116	185	824	390	2760	1230	1800	241	557	338	136	125
13	114	171	671	366	1750	1090	1700	230	908	225	133	120
14	114	173	606	385	1470	854	1610	223	804	205	136	118
15	113	257	565	390	1370	717	1410	221	467	178	139	122
16	113	1310	552	385	1380	682	1110	219	304	171	130	130
17	143	1240	544	366	1580	645	866	234	241	135	128	142
18	1730	1050	515	353	1810	645	801	226	212	180	128	125
19	2320	965	493	348	1680	609	759	572	205	174	128	118
20	1090	785	476	390	1360	567	737	782	205	162	138	122
21	640	665	460	515	1060	565	698	627	166	154	152	122
22	327	610	448	640	875	2910	663	380	160	147	147	122
23	259	1450	440	549	796	3730	661	290	162	142	139	122
24	314	2500	419	474	728	2540	765	252	160	139	134	112
25	342	2140	433	448	676	1490	754	221	160	157	130	111
26	293	1770	419	416	640	1030	703	493	160	261	126	108
27	277	2570	414	404	609	878	627	531	166	208	123	106
28	1740	2370	402	481	526	787	583	371	160	190	120	105
29	1470	1650	390	505	---	846	557	304	136	174	174	105
30	759	1330	380	460	---	7110	546	252	122	170	228	104
31	474	---	376	421	---	9860	---	216	---	155	168	---
TOTAL	14760	26823	18409	13587	36087	67828	100590	10311	9019	6370	4623	4847
MEAN	476	854	594	438	1289	2188	3353	333	301	205	149	162
MAX	2320	2570	1200	676	3960	9860	16200	782	908	338	268	373
MIN	113	171	376	348	505	533	546	216	122	128	120	104
CFSM	.52	.97	.65	.48	1.40	2.38	3.65	.36	.33	.22	.16	.18
IN.	.60	1.09	.75	.55	1.46	2.75	4.08	.42	.37	.26	.19	.20
CAL YR 1980 TOTAL	821331			2244	25700	113		2.44	33.28			
WTR YR 1981 TOTAL	313254			858	16200	104		.94	12.69			

PASCAGOULA RIVER BASIN

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.81	6.56	9.33	6.33	6.85	6.98	28.27	6.95	5.54	5.00	5.16	6.02
2	6.17	6.53	9.05	6.32	10.53	9.85	29.33	6.62	5.58	5.50	5.14	5.64
3	5.92	6.58	8.60	6.30	10.87	11.29	28.77	5.95	6.36	5.66	5.10	6.28
4	5.60	6.54	7.79	6.26	8.98	12.48	24.58	5.80	6.68	5.66	5.09	6.33
5	5.43	6.44	7.29	6.23	7.98	19.99	20.23	5.76	6.19	5.82	5.08	6.01
6	5.36	6.38	7.15	6.25	8.38	18.83	19.99	6.00	6.40	5.82	5.07	5.61
7	5.33	6.35	7.06	7.04	8.55	16.91	18.41	5.89	6.06	5.88	5.78	5.42
8	5.31	6.35	6.97	7.54	8.35	13.62	15.40	5.84	6.24	5.77	5.37	5.24
9	5.30	6.31	6.98	7.25	7.93	11.29	12.75	5.82	6.20	5.62	5.24	5.14
10	5.28	6.29	7.81	6.80	10.81	10.15	11.98	5.78	5.78	5.50	5.14	5.08
11	5.26	6.01	8.61	6.52	16.23	9.67	11.51	5.70	5.85	6.05	5.09	5.02
12	5.24	5.66	8.07	6.40	13.66	9.42	11.14	5.66	7.08	6.15	5.05	4.98
13	5.23	5.59	7.52	6.30	11.00	8.95	10.86	5.60	8.36	5.57	5.03	4.95
14	5.23	5.60	7.27	6.38	10.19	8.17	10.60	5.56	8.00	5.46	5.05	4.94
15	5.22	5.57	7.11	6.40	9.89	7.69	10.03	5.55	6.72	5.31	5.07	4.96
16	5.22	9.80	7.06	6.38	9.92	7.56	9.01	5.54	6.00	5.27	5.01	5.01
17	5.39	9.60	7.03	6.30	10.51	7.42	8.22	5.62	5.66	5.23	5.00	5.09
18	10.50	9.04	6.92	6.24	11.16	7.42	7.99	5.58	5.50	5.32	5.00	4.98
19	12.45	8.77	6.83	6.22	10.79	7.28	7.84	7.12	5.46	5.29	5.00	4.94
20	9.15	8.19	6.76	6.40	9.87	7.12	7.76	7.92	5.46	5.21	5.05	4.96
21	7.64	7.77	6.69	6.92	8.85	7.11	7.62	7.34	5.24	5.16	5.15	4.96
22	6.40	7.57	6.64	7.40	8.25	13.90	7.49	6.36	5.20	5.12	5.12	4.96
23	6.07	10.03	6.61	7.05	7.97	15.76	7.48	5.92	5.21	5.09	5.07	4.96
24	6.33	12.96	6.52	6.75	7.73	13.12	7.86	5.72	5.20	5.07	5.04	4.90
25	6.47	12.00	6.58	6.64	7.54	10.22	7.82	5.54	5.20	5.17	5.01	4.88
26	6.24	11.01	6.52	6.51	7.40	8.76	7.64	6.78	5.20	5.76	4.99	4.87
27	6.14	13.16	6.50	6.46	7.28	8.26	7.35	6.97	5.24	5.48	4.97	4.86
28	10.84	12.70	6.45	6.78	6.96	7.94	7.18	6.32	5.20	5.38	4.95	4.85
29	10.21	10.81	6.40	6.88	---	8.12	7.08	6.00	5.05	5.29	5.25	4.85
30	8.07	9.77	6.36	6.68	---	21.43	7.04	5.72	4.96	5.26	5.57	4.84
31	7.04	---	6.34	6.53	---	24.64	---	5.52	---	5.17	5.24	---
MEAN	6.67	8.21	7.19	6.60	9.44	11.33	12.64	6.08	5.89	5.45	5.13	5.18
MAX	12.49	13.16	9.33	7.54	16.23	24.64	29.33	7.92	8.36	6.15	5.78	6.33
MIN	5.22	5.59	6.34	6.22	6.85	6.98	7.04	5.52	4.96	5.00	4.95	4.84
CAL YR 1980	MEAN	10.73	MAX	34.56	MIN	5.22						
WTR YR 1981	MEAN	7.46	MAX	29.33	MIN	4.84						

02477350 CHICKASAWHAY RIVER AT SHUBUTA, MS

LOCATION.--Lat 31°50'55", long 88°41'24", in SE¼ sec.9, T.10 N., R.7 W., St. Stephens Meridian, Clarke County, Hydrologic Unit 03170002, at bridge on U.S. Highway 45, 1.0 mi (1.6 km) southeast of Shubuta and at mile 113.4 (182.5 km).

DRAINAGE AREA.--1,458 mi² (3,776 km²).

PERIOD OF RECORD.--January 1972 to current year (gage heights only); 1905 to 1961 annual maximum observed gage heights and discharge. Gage height records collected in the vicinity October 1904 to December 1971 (seasonal gage heights only January 1906 to December 1923) are contained in reports of National Weather Service.

REVISED RECORDS.--WDR MS-79-1:(M).

GAGE.--Nonrecording gage. Datum of gage is 147.30 ft (44.897 m) National Geodetic Vertical Datum of 1929. Prior to Mar. 13, 1940, at site 3,500 ft (1,070 m) upstream at datum 3.87 ft (1.180 m) higher.

REMARKS.--Records furnished by National Weather Service.

EXTREMES FOR PERIOD OF RECORD.--1905 to 1961: Maximum discharge, 86,000 ft³/s (2,440 m³/s) Dec. 11, 1919 (gage height, 44.3 ft or 13.50 m, former site and datum, 47.2 ft or 14.39 m at present site and datum).
1904 to current year: Maximum gage height, 47.2 ft (14.39 m) Dec. 11, 1919; minimum since January 1972, 2.57 ft (0.609 m) Sept. 30, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum observed gage height, 30.31 ft (9.147 m) Apr. 5; minimum observed, 2.57 ft (0.609 m) Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.06	5.61	8.70	4.50	5.10	5.71	25.00	5.56	3.95	2.84	3.20	3.61
2	6.09	4.90	8.09	4.48	9.31	5.56	26.18	5.46	4.00	3.00	3.11	3.98
3	4.48	4.57	7.69	4.44	10.59	5.42	27.36	5.29	4.23	3.42	3.03	7.39
4	4.38	4.54	7.81	4.40	11.00	5.31	29.07	4.63	4.28	4.02	2.91	5.49
5	4.18	4.50	6.44	4.37	9.05	20.40	30.31	4.35	5.11	3.91	2.83	5.17
6	4.07	4.39	5.94	4.35	9.01	22.88	30.11	4.42	5.16	3.76	2.77	4.41
7	4.04	4.31	5.64	4.68	10.51	20.87	27.61	4.73	4.58	4.24	2.77	4.12
8	4.00	4.28	5.39	5.19	9.06	19.44	23.38	4.58	4.99	4.01	2.75	3.86
9	3.80	4.27	5.74	5.79	8.29	17.48	18.83	4.45	5.12	3.81	2.81	3.12
10	3.61	4.26	5.76	5.62	8.44	12.78	13.80	4.40	5.40	3.66	2.94	3.25
11	3.42	4.16	7.07	5.38	18.97	10.31	11.29	4.28	5.09	3.54	2.88	3.07
12	3.24	4.08	7.01	5.01	19.05	9.01	10.85	4.20	4.28	3.83	2.81	2.91
13	3.07	3.84	6.97	4.82	16.24	8.42	10.45	4.14	5.48	4.45	2.76	2.91
14	3.04	3.49	6.26	4.64	13.30	7.92	10.05	3.99	7.69	4.47	2.75	2.82
15	3.01	3.68	5.77	4.66	10.50	6.96	9.70	3.96	6.99	4.00	2.75	2.88
16	3.01	4.81	5.56	4.68	9.50	6.56	9.21	3.99	6.17	3.18	2.74	3.15
17	3.00	7.43	5.43	4.57	9.76	6.40	8.30	3.95	4.42	3.19	2.79	3.00
18	3.10	7.92	5.33	4.51	10.21	6.15	7.40	3.87	4.06	3.16	2.79	2.96
19	8.92	7.60	5.26	4.49	11.31	6.02	7.08	4.27	3.71	3.14	2.80	2.90
20	10.91	7.01	5.14	4.43	10.72	5.95	6.86	6.81	3.60	3.14	2.82	2.81
21	7.44	6.61	5.03	4.59	9.48	5.77	6.66	6.70	3.40	2.98	2.94	2.70
22	5.99	6.04	4.90	5.15	8.20	7.50	6.51	6.52	3.28	2.92	2.99	2.70
23	4.90	6.02	4.81	5.40	9.53	15.50	6.42	6.29	3.20	2.80	2.92	2.69
24	4.18	8.69	4.66	5.63	7.01	16.83	6.34	5.62	3.12	2.79	2.84	2.68
25	4.35	11.82	4.67	5.15	6.69	15.06	6.49	4.15	3.21	2.77	2.79	2.68
26	4.58	11.21	4.95	5.01	6.47	11.64	6.42	5.20	3.37	2.87	2.74	2.65
27	4.32	12.84	4.81	4.91	6.30	8.40	6.37	7.55	3.31	3.27	2.70	2.63
28	4.68	13.73	4.72	4.83	6.11	7.56	6.01	6.64	3.22	3.41	2.68	2.61
29	9.67	12.81	4.65	5.18	---	6.87	5.80	5.29	3.11	3.43	2.61	2.57
30	9.67	9.97	4.70	5.44	---	13.28	5.66	4.68	3.01	3.07	2.79	2.57
31	7.27	---	4.53	5.31	---	23.65	---	4.30	---	3.28	3.83	---
MEAN	5.05	6.65	5.79	4.89	9.99	11.02	13.52	4.98	4.35	3.43	2.87	3.34
MAX	10.91	13.73	8.70	5.79	19.05	23.65	30.31	7.55	7.69	4.47	3.83	7.39
MIN	3.00	3.49	4.53	4.35	5.10	5.31	5.66	3.87	3.01	2.77	2.61	2.57

WTR YR 1981 MEAN 6.29 MAX 30.31 MIN 2.57

PASCAGOULA RIVER BASIN

02477492 CHICKASAWHAY RIVER AT WOODWARDS, MS

LOCATION.--Lat 31°41'43", long 88°40'12", in NW¼ sec.2, T.8 N., R.7 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, at downstream side of bridge on county road, 0.4 mi (0.6 km) west of Woodward, and 2.1 mi (3.4 km) northwest of intersection of U.S. Highways 45 and 84 in Waynesboro, and at mile 94.6 (152.2 km).

DRAINAGE AREA.--1,648 mi² (4,268 km²).

PERIOD OF RECORD.--Water years 1978 to August 1981 (discontinued).

REVISED RECORD.--WDR MS-80-1: Drainage area.

REMARKS.--Stream discharge determined 1.4 mi (2.2 km) downstream (station 02477500) from 8:00 a.m. gage height on day of sample collection.

COOPERATION.--8:00 a.m. gage heights for station 02477500 furnished by National Weather Service.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DFG C)	COLOR (PLAT- INUM- CORAL UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
NOV 25...	1000	2830	110	6.8	10.5	30	6.5	9.6	5900	.13	.010	.14
DEC 17...	1515	1090	150	6.9	9.5	20	2.2	--	140	.15	.000	.15
JAN 16...	1645	801	100	6.9	5.0	20	5.0	12.2	K46	.17	.010	.18
MAR 11...	1515	2850	83	6.9	13.5	50	37	10.0	>300	.15	.010	.16
APR 07...	1600	13400	54	6.5	19.0	70	50	6.8	2800	.04	.010	.05
MAY 05...	1430	894	110	7.6	22.0	55	8.2	8.2	67	.32	.020	.34
JUN 09...	0845	1500	95	7.1	26.0	80	70	6.6	460	.24	.020	.26
AUG 13...	1030	327	175	7.5	28.0	20	7.1	6.9	K18	.28	.020	.30

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
NOV 25...	.040	.05	.51	.55	.69	3.1	.160	.49	.050	8.5	188	1440
DEC 17...	.040	.05	.09	.13	.28	1.2	.040	.12	.020	4.2	34	100
JAN 16...	.100	.12	.09	.19	.37	1.6	.050	.15	.030	3.8	27	58
MAR 11...	.040	.05	.40	.44	.60	2.7	.080	.25	.030	6.2	165	1270
APR 07...	.030	.04	.48	.51	.56	2.5	.080	.25	.030	8.6	109	3940
MAY 05...	.030	.04	.26	.29	.63	2.8	.070	.21	.040	4.4	35	84
JUN 09...	.040	.05	.94	.98	1.2	5.5	.110	.34	.050	13	156	632
AUG 13...	.040	.05	.23	.27	.57	2.5	.060	.18	.030	4.5	144	127

PASCAGOULA RIVER BASIN

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02477492 CHICKASAWHAY RIVER AT WOODWARDS, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SURP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY LAB (MG/L AS CACO3)
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JUN 09...	28	4.0	9.2	1.2	7.2	34	.6	1.5	24
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DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
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JUN 09...	5.2	13	2	30	2	0	.00	22	9
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PESTICIDE ANALYSES, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
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JUN 09...	<1	<1.0	<.1	<1.0	<.1	<.1	<.1	<.1	<.1	<.1
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DATE	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOT. IN BOT- TOM MA- TERIAL (UG/KG)
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JUN 09...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
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DATE	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-DP, IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
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JUN 09...	<.1	<.1	<.10	<1.0	<.1	0	.00	0	0
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PASCAGOULA RIVER BASIN

02477500 CHICKASAWHAY RIVER NEAR WAYNESBORO, MS

LOCATION.--Lat 31°40'46", long 88°41'00", in NW¼ sec.10, T.8 N., R.7 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, on right bank 18 ft (5.5 m) downstream from bridge on U.S. Highway 84, 2.3 mi (3.7 km) west of Waynesboro, and at mile 93.2 (150.0 km).

DRAINAGE AREA.--1,650 mi² (4,270 km²).

PERIOD OF RECORD.--September 1938 to September 1950; January 1972 to current year (gage heights only). Gage-height records collected at same site January 1947 to December 1971 are contained in reports of National Weather Service.

GAGE.--Nonrecording gage and telemark gage. Datum of gage is 119.91 ft (36.549 m) Mississippi State Highway Department datum. September 1938 to May 4, 1939, wire-weight gage and May 5, 1939, to September 1950, water-stage recorders, at present site and datum.

REMARKS.--Records furnished by National Weather Service.

AVERAGE DISCHARGE.--12 years (1938-50), 2,575 ft³/s (72.9 m³/s), 21.06 in/yr (535 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--1938-1950: Maximum discharge, 26,000 ft³/s (736 m³/s) Jan. 24, 1947 (gage height, 39.00 ft or 11.887 m); minimum, 149 ft³/s (4.22 m³/s) Aug. 28, 1943 (gage height, 2.48 ft or 0.756 m). 1947 to current year: Maximum gage height, 47.90 ft (14.600 m) Feb. 26, 1961 (discharge, 58,300 ft³/s or 1,651 m³/s); minimum since January 1972, 0.80 ft (0.244 m) Oct. 15, 16, 17, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1900 reached a stage of 51.5 ft (15.70 m) at site 1.3 mi (2.1 km) upstream, at datum 2.95 ft (0.899 m) higher and about 50 ft (15.2 m) at present site and datum (discharge about 73,000 ft³/s or 2,070 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum observed gage height, 29.99 ft (9.141 m) Apr. 18, minimum observed, 3.31 ft (1.009 m) Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.63	7.37	10.32	5.65	6.32	7.02	24.27	6.91	5.33	4.07	3.87	3.62
2	7.30	6.28	9.15	5.60	7.35	6.73	25.29	6.78	5.18	4.08	3.83	3.83
3	6.68	5.72	8.70	5.55	15.20	6.87	25.97	6.63	5.46	4.11	3.78	4.01
4	5.90	5.56	8.40	5.50	19.00	10.19	29.99	6.44	5.85	4.17	3.78	8.69
5	5.38	5.50	7.78	5.46	11.04	16.79	28.40	6.01	5.84	4.23	3.76	7.89
6	5.27	5.45	7.08	5.42	9.29	21.69	29.28	5.72	6.03	4.28	3.71	7.44
7	5.17	5.40	6.65	5.48	12.07	22.31	28.84	5.71	5.87	4.35	3.66	6.74
8	4.82	5.32	6.47	6.22	11.15	20.48	26.35	5.76	5.74	4.51	3.62	5.83
9	4.81	5.19	6.37	7.85	9.65	19.13	23.54	5.77	7.97	4.61	3.60	5.40
10	4.77	5.20	6.89	7.24	8.97	15.82	17.36	5.69	8.27	4.65	3.69	4.60
11	4.71	5.23	7.92	6.85	20.41	11.56	13.15	5.60	6.53	4.64	3.70	4.23
12	---	5.10	8.42	6.30	21.09	10.23	12.14	5.48	5.72	4.62	3.68	3.97
13	4.48	5.02	8.46	6.00	18.59	9.62	11.55	5.38	5.84	4.60	3.64	3.80
14	4.20	4.75	7.95	5.80	15.38	9.18	11.15	5.23	7.25	4.66	3.60	3.71
15	---	4.57	7.37	5.78	12.82	8.48	10.83	5.13	8.68	4.64	3.56	3.67
16	3.97	4.61	6.95	5.69	11.00	7.84	10.53	5.05	7.91	4.57	3.55	4.63
17	3.96	4.92	6.67	5.69	10.82	7.51	9.80	4.99	6.59	4.49	3.55	4.44
18	---	8.67	6.52	5.64	11.97	7.28	9.02	4.92	5.81	4.40	---	4.20
19	4.03	8.50	6.41	5.60	12.47	7.13	8.41	4.90	5.35	4.30	---	3.92
20	11.29	8.22	6.30	5.50	12.04	7.07	8.13	6.69	5.13	4.21	3.60	---
21	10.29	7.81	6.17	5.56	11.07	6.90	7.94	8.10	4.90	4.14	3.60	3.64
22	7.29	7.20	6.05	5.79	9.84	7.17	7.91	8.15	4.69	4.07	3.60	3.56
23	6.53	6.95	5.95	6.23	8.91	13.06	7.80	7.68	4.50	4.00	3.63	3.53
24	5.47	7.69	5.90	6.66	8.35	16.97	7.70	6.93	4.42	3.96	3.66	3.50
25	5.26	11.51	6.02	6.52	7.96	16.58	7.62	6.35	4.46	3.54	3.66	3.48
26	5.53	12.24	6.14	6.17	7.66	14.27	7.61	5.90	4.48	3.76	3.64	3.44
27	5.53	13.54	6.13	5.95	7.41	10.72	7.60	9.43	4.43	3.73	3.60	3.40
28	6.03	14.39	6.04	5.83	7.22	8.88	7.51	9.05	4.35	3.79	3.55	3.37
29	7.33	14.20	5.92	5.81	---	8.29	7.28	7.46	4.24	3.89	3.5	3.34
30	11.26	12.60	5.81	6.13	---	10.61	7.08	6.29	4.16	3.92	3.46	3.31
31	9.15	---	5.72	6.32	---	20.77	---	5.71	---	3.91	3.47	---
MEAN	---	7.49	6.99	5.99	11.61	11.84	14.67	6.32	5.70	4.22	---	---
MAX	---	14.39	10.32	7.85	21.09	22.31	29.99	9.43	8.68	4.66	---	---
MIN	---	4.57	5.72	5.42	6.32	6.73	7.08	4.90	4.16	3.54	---	---

02477990 BUCKATUNNA CREEK NEAR DENHAM, MS

LOCATION.--Lat 31°41'38", long 88°31'10", in NE¼ sec.6, T.8 N., R.5 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, on right bank on downstream side of bridge on county road, 2.7 mi (4.3 km) north of Denham, and 8.7 mi (14.0 km) east of Waynesboro.

DRAINAGE AREA.--492 mi² (1,274 km²).

PERIOD OF RECORD.--January 1972 to current year.

GAGE.--Water-stage recorder. Datum of gage is 141.15 ft (43.023 m) National Geodetic Vertical Datum of 1929. Prior to water year 1975, at datum 3.94 ft (1.201 m) lower.

REMARKS.--Records good.

AVERAGE DISCHARGE.--9 years, 895 ft³/s (25.35 m³/s), 24.70 in/yr (627 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,200 ft³/s (346 m³/s) Mar. 6, 1979, gage height, 34.90 ft (10.638 m), minimum, 7.8 ft³/s (0.22 m³/s) Sept. 21-22, 1972, gage height, 3.92 ft (1.195 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft³/s (113 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 11	0730	*4400 125	20.38 6.212	Apr. 6	0100	4310 122	20.14 6.139

Minimum discharge, 20 ft³/s (0.57 m³/s) Sept. 30, gage height, 4.23 ft (1.289 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	286	555	148	211	307	2430	146	228	140	31	24
2	244	190	374	143	544	296	2770	134	236	335	27	49
3	244	145	296	139	830	283	3060	127	326	106	26	100
4	170	122	258	136	927	450	3750	122	322	85	25	104
5	121	113	227	131	745	1420	4230	119	344	73	25	120
6	94	110	202	128	945	1810	4250	163	382	97	24	140
7	79	104	186	154	1310	2020	3840	154	286	140	23	163
8	68	98	173	178	989	2190	2810	157	224	101	23	155
9	61	92	167	289	756	2360	1520	161	483	98	27	115
10	55	88	255	307	2010	2430	1010	154	997	103	25	94
11	50	85	275	257	4250	1750	745	137	646	89	25	56
12	47	83	399	211	3380	720	630	125	466	91	24	46
13	45	82	349	183	2760	573	549	116	342	77	24	42
14	43	82	280	167	2400	501	487	109	365	85	23	46
15	41	83	230	158	2110	454	435	101	367	73	23	68
16	40	85	202	152	1890	427	390	95	267	65	24	67
17	40	89	187	149	1250	403	353	92	201	55	25	44
18	45	115	175	145	1020	390	324	89	163	51	26	67
19	50	121	170	140	861	358	301	301	136	47	25	85
20	48	160	163	142	742	342	283	274	116	43	25	68
21	74	179	155	143	637	342	261	491	104	42	23	53
22	142	164	151	157	549	440	240	400	95	50	48	45
23	118	154	146	189	489	834	234	330	88	48	50	39
24	97	140	151	201	446	1120	245	300	82	41	41	34
25	86	206	163	189	409	1180	214	500	82	38	35	29
26	76	450	202	170	371	1250	214	2000	98	39	31	27
27	86	608	217	160	342	1110	220	1500	77	37	27	25
28	145	801	195	151	320	637	201	984	71	37	24	23
29	122	914	175	146	---	493	177	725	70	38	22	22
30	303	803	161	160	---	2190	158	501	65	36	22	21
31	411	---	152	199	---	2660	---	302	---	38	22	---
TOTAL	3300	6752	6991	5322	33493	31740	36331	10909	7729	2398	845	1971
MEAN	106	225	226	172	1196	1024	1211	352	258	77.4	27.3	65.7
MAX	411	914	555	307	4250	2660	4250	2000	997	335	50	163
MIN	40	82	146	128	211	283	158	89	65	36	22	21
CFSM	.22	.46	.46	.35	2.43	2.08	2.46	.72	.52	.16	.06	.13
IN.	.25	.51	.53	.40	2.53	2.40	2.75	.82	.58	.18	.06	.15
CAL YR 1980	TOTAL	430684	MEAN	1177	MAX	10400	MIN	30	CFSM	2.39	IN	32.56
WTR YR 1981	TOTAL	147781	MEAN	405	MAX	4250	MIN	21	CFSM	.82	IN	11.17

PASCAGOULA RIVER BASIN

02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS

LOCATION.--Lat 31°08'54", long 88°33'52", in SW¼ sec.12, T.2 N., R.6 W., St. Stephens Meridian, Greene County, Hydrologic Unit 03170003, on left bank at downstream side of bridge on State Highway 63, 0.5 mi (0.8 km) southeast of Leaksville, 1.8 mi (2.9 km) upstream from Faulk Ditch, and 29.1 mi (46.8 km) upstream from confluence with Leaf River.

DRAINAGE AREA.--2,690 mi² (6,967 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1938 to current year.

REVISED RECORDS.--WSP 1504: 1938-39.

GAGE.--Water-stage recorder. Datum of gage is 51.13 ft (15.584 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 19, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years, 3,893 ft³/s (110.2 m³/s), 19.65 in/yr (499 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 73,600 ft³/s (2,080 m³/s) Feb. 28, 1961, gage height, 33.52 ft (10.217 m); minimum, 160 ft³/s (4.53 m³/s) Oct. 30, 31, 1963, gage height, 6.74 ft (2.054 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood in April 1900 reached a stage of 38 ft (11½ m), and a flood in July 1916 reached a stage of 34.12 ft (10.400 m), discharge, 68,000 ft³/s (1,950 m³/s), from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,900 ft³/s (535 m³/s) Apr. 9, gage height, 25.35 ft (7.727 m); minimum, 386 ft³/s (10.9 m³/s) Aug. 29; minimum gage height, 8.11 ft (2.472 m) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2710	2660	4630	1050	1080	2150	12000	1610	1480	660	514	521
2	1660	2010	3530	1020	1280	2030	13100	1510	1260	708	488	514
3	1560	1530	2750	993	2460	1900	13900	1430	1400	1160	500	630
4	1450	1240	2340	970	3670	1900	14600	1350	2160	1320	532	844
5	1200	1090	2100	952	3930	3780	15400	1280	1800	1230	514	1470
6	988	997	1890	939	4590	7630	16300	1360	1600	1110	485	1470
7	894	952	1650	948	6290	10300	17300	1600	1560	1080	458	1440
8	848	921	1460	1030	6000	11300	18400	1500	1440	1130	728	1210
9	760	880	1360	1190	4970	11200	18800	1340	1390	1140	660	952
10	728	848	1370	1330	8770	10400	16900	1250	1870	975	500	772
11	712	832	1740	1450	16600	8580	12400	1170	2400	868	497	668
12	680	824	2140	1470	16900	6080	7010	1090	2250	792	464	595
13	668	800	2230	1350	16400	4140	5190	1030	2010	744	434	546
14	630	780	2210	1220	14300	3360	4540	988	1890	720	425	511
15	581	744	1980	1130	11000	3000	4120	939	2100	764	419	518
16	549	732	1720	1070	8090	2700	3790	903	2240	696	419	560
17	535	752	1540	1030	6860	2440	3480	876	1840	630	413	708
18	528	800	1420	1010	6110	2250	3110	852	1430	591	425	720
19	539	1480	1350	988	5810	2120	2710	868	1180	563	464	644
20	612	1810	1290	966	5530	2010	2450	2070	1030	549	470	581
21	1750	1730	1240	957	5020	1930	2280	2710	934	528	458	560
22	2350	1650	1190	979	4340	2760	2150	2370	860	511	452	521
23	1800	1560	1140	1010	3690	4110	2060	2140	820	504	491	488
24	1440	1530	1120	1060	3190	5370	2240	1690	824	488	458	470
25	1130	1650	1130	1150	2840	7040	2600	1330	880	539	455	455
26	957	2560	1160	1200	2620	7040	2150	1460	952	696	437	449
27	907	4380	1200	1170	2430	5780	2010	3410	848	542	413	437
28	1320	5920	1210	1110	2270	4240	1890	4870	788	500	395	428
29	2240	5680	1180	1050	---	3190	1780	3640	736	525	386	416
30	2280	5410	1130	1020	---	5070	1680	2520	676	619	401	407
31	2900	---	1080	1030	---	10100	---	1890	---	570	500	---
TOTAL	37906	54752	53480	33842	177040	155900	226340	53046	42648	23452	14655	20505
MEAN	1223	1825	1725	1092	6323	5029	7545	1711	1422	757	473	684
MAX	2900	5920	4630	1470	16900	11300	18800	4870	2400	1320	728	1470
MIN	528	732	1080	939	1080	1900	1680	852	676	488	386	407
CFSM	.46	.68	.64	.41	2.35	1.87	2.81	.64	.53	.28	.18	.25
IN.	.52	.76	.74	.47	2.45	2.16	3.13	.73	.59	.32	.20	.28
CAL YR 1980	TOTAL	2499129	MEAN	6828	MAX	40100	MIN	528	CFSM	2.54	IN	34.56
WTR YR 1981	TOTAL	893566	MEAN	2448	MAX	18800	MIN	386	CFSM	.91	IN	12.36

PASCAGOULA RIVER BASIN

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02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944-47, 1952, 1958-75, 1978 to August 1981 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHNS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COHALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
NOV 25...	0800	1590	77	6.8	11.0	30	5.4	10.0	260	.16	.000	.16
DEC 17...	1315	1530	95	6.7	10.0	20	3.1	--	K150	.14	.000	.14
JAN 16...	1245	1060	100	6.9	5.5	20	4.6	12.4	K6	.16	.000	.16
MAR 11...	1315	8480	60	6.6	14.0	70	45	9.0	600	.06	.020	.08
APR 07...	1145	17200	44	6.4	20.0	75	82	6.4	K210	.00	.020	.02
MAY 05...	1230	1260	96	7.3	23.0	45	6.6	7.8	80	.26	.010	.27
JUN 09...	1130	1390	107	6.7	29.0	40	14	6.9	100	--	<.010	.22
AUG 13...	0830	434	109	7.2	29.0	40	13	6.1	K4	.16	.010	.17

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
NOV 25...	.010	.01	.18	.19	.35	1.6	.050	.15	.030	6.1	30	129
DEC 17...	.040	.05	.24	.28	.42	1.9	.030	.09	.020	5.4	24	99
JAN 16...	.030	.04	.13	.16	.32	1.4	.030	.09	.010	3.9	48	137
MAR 11...	.050	.06	.52	.57	.65	2.9	.080	.25	.030	9.3	174	3980
APR 07...	.040	.05	.26	.30	.32	1.4	.120	.37	.050	9.5	265	12300
MAY 05...	.010	.01	.38	.39	.66	2.9	.050	.15	.030	--	33	112
JUN 09...	.020	.02	.37	.39	.61	2.7	.040	.12	.020	6.8	41	154
AUG 13...	.040	.05	.24	.28	.45	2.0	.040	.12	.010	4.2	197	231

PASCAGOULA RIVER BASIN

02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINE- ITY LAB (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUTENTS, DIS- SOLVED (MG/L)
OCT												
16...	1.1	7.5	51	.9	1.4	15	3.9	11	.1	11	58	51
NOV												
12...	1.2	7.3	48	.8	1.5	14	6.3	11	.1	12	58	53
DEC												
17...	1.2	7.4	49	.8	1.3	11	5.0	12	.1	12	62	51
JAN												
15...	1.3	8.5	48	.9	1.2	18	5.4	13	<.1	11	57	58
FEB												
10...	.9	5.1	44	.6	1.2	15	5.5	8.9	.2	2.7	--	36
MAR												
11...	.9	4.5	41	.6	1.5	24	6.6	7.9	<.1	7.6	56	41
APR												
07...	.7	2.6	29	.3	1.4	12	4.8	4.7	<.1	6.9	41	33
MAY												
05...	1.1	6.6	44	.7	1.4	16	4.2	9.2	<.1	11	63	49
JUN												
09...	1.4	10	50	1.0	1.3	15	5.0	13	<.1	10	60	54
JUL												
08...	.7	4.1	45	.6	1.5	5.0	4.5	6.0	<.1	7.9	--	32
AUG												
05...	1.1	7.3	55	.9	1.5	17	3.8	8.2	<.1	9.6	58	47
SEP												
02...	1.1	7.2	57	1.0	1.4	17	4.6	9.0	<.1	9.1	60	46

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT												
16...	.08	313	.28	.41	.030	.080	.04	.10	.54	.30	.57	.19
NOV												
12...	.08	413	.34	.33	.120	.060	.15	.08	.26	.05	.38	.27
DEC												
17...	.08	758	.20	.18	.130	.060	.16	.08	.14	.13	.27	.08
JAN												
15...	.08	506	.23	.22	.020	.070	.02	.09	.14	.12	.16	.00
FEB												
10...	.05	2070	.18	.00	.070	.110	.08	.14	.49	--	.56	--
MAR												
11...	.08	3430	.44	.12	.120	.060	.15	.08	.42	.31	.54	.17
APR												
07...	.06	5700	.10	.07	.070	.100	.08	.13	.55	.54	.62	.00
MAY												
05...	.09	623	.25	.25	.040	.040	.05	.05	.38	.22	.42	.16
JUN												
09...	.08	726	.31	.08	.030	.010	.04	.01	.42	--	.45	.11
JUL												
08...	.07	562	.22	.23	.070	.070	.08	.09	.67	.48	.74	.19
AUG												
05...	.08	323	.24	.31	--	.110	--	.14	--	.48	.32	--
SEP												
02...	.08	632	.23	.24	.040	.020	.05	.03	.33	.39	.37	.00

PASCAGOULA RIVER BASIN

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02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	HARD- NESS (MG/L AS CACU3)	HARD- NESS (MG/L AS CACU3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY LAB (MG/L AS CACU3)
JUN 09...	25	6.0	7.8	1.3	9.4	44	.8	1.3	19

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CR)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
JUN 09...	4.9	15	1	10	4	0	.00	16	11

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUN 09...	<1	<1.0	<.1	<1.0	<.1	<.1	<.1	<.1	<.1	<.1

DATE	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOT. IN BOT- TOM MA- TERIAL (UG/KG)
JUN 09...	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1

DATE	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-DP, IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUN 09...	<.1	<.1	<.10	<1.0	<.1	0	.00	0	0

PASCAGOULA RIVER BASIN

02479000 PASCAGOULA RIVER AT MERRILL, MS

LOCATION.--Lat 30°58'40", long 88°43'35", in SW¼ sec.18, T.1 S., R.7 W., St. Stephens Meridian, George County, Hydrologic Unit 03170006, near right bank on downstream side of bridge on highway between Merrill and Avent, 0.5 mi (0.8 km) downstream from confluence of Leaf and Chickasawhay Rivers, 0.5 mi (0.8 km) west of Merrill, and at mile 80.8 (130 km).

DRAINAGE AREA.--6,590 mi² (17,100 km²).

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for October and November 1930, published in WSP 1304. Daily mean gage heights published since January 1972. Gage-height records collected in same vicinity since 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 26.25 ft (8.001 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 6, 1934, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of chemical analysis for the current year at site 13.8 mi (22.2 km) downstream (station 02479020).

AVERAGE DISCHARGE.--51 years, 9,935 ft³/s (281.4 m³/s), 20.47 in/yr (520 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 178,000 ft³/s (5,040 m³/s) Feb. 27, 1961, gage height, 30.66 ft (9.345 m); minimum, 696 ft³/s (19.7 m³/s) Nov. 3, 1936; minimum gage height, 1.92 ft (0.585 m) Oct. 21-26, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood in April 1900 reached a stage of 32.5 ft (9.91 m), and the flood of July 9, 1916, reached a stage of 31.0 ft (9.45 m), from information by National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 47,200 ft³/s (1,340 m³/s) Apr. 7, gage height, 21.13 ft (6.440 m); minimum gage height, 22.49 ft (6.855 m) Feb. 12, 13; minimum discharge, 1,370 ft³/s (38.8 m³/s) Aug. 29, gage height, 2.61 ft (0.796 m) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6700	6450	11100	2930	3160	5340	30200	4030	3870	1700	2210	3010
2	6520	5140	8860	2860	4010	5060	33800	3860	3280	2020	1820	3550
3	4240	4160	6830	2800	7200	4790	37300	3660	3630	4260	1800	3900
4	3520	3500	5600	2740	9640	4630	40100	3480	5290	5160	2160	4760
5	3050	3100	4920	2700	9790	5950	43200	3330	5200	5180	1870	5720
6	2640	2900	4450	2660	12300	12200	46200	3250	4390	6230	1740	5770
7	2410	2720	4100	2760	18300	19100	46800	3500	4380	6890	1660	5230
8	2300	2580	3800	3250	17200	23100	43100	3660	4170	5910	2090	4960
9	2200	2540	3620	3780	13800	24900	38100	3500	4070	4760	3050	4220
10	2120	2490	3830	4030	19400	24100	32900	3330	3780	3970	2280	3420
11	2090	2450	5360	4060	38000	20600	28300	3150	4370	3280	1890	2790
12	2060	2400	6840	3900	45500	16900	22200	2990	5350	2830	1730	2420
13	1980	2360	6480	3620	45800	12100	13900	2860	5150	2570	1620	2230
14	1940	2310	5950	3330	43100	8670	9720	2760	4530	2620	2090	2100
15	1860	2270	5250	3120	37600	7430	8460	2670	4170	2550	1810	2170
16	1820	2220	4590	2990	30000	6770	7700	2620	4210	2340	1590	2580
17	1800	2220	4120	2890	21400	6220	7110	2580	4050	2110	1540	2930
18	1800	2670	3830	2820	15900	5760	6600	2530	3490	1960	1540	3000
19	1960	4510	3620	2770	12600	5380	6080	2500	2980	1840	1780	2750
20	2190	6000	3440	2740	11500	5080	5570	2870	2600	1770	2090	2520
21	2520	5290	3310	2760	10900	4850	5190	4610	2340	1740	1890	2320
22	3590	4700	3210	2840	10100	7300	4980	4820	2150	1690	1930	2130
23	3690	4310	3140	3070	9200	14000	4980	4770	2020	1620	1960	1940
24	3200	4310	3110	3400	8230	15100	4750	4400	1960	1570	1800	1780
25	3010	4800	3180	3580	7400	16200	5210	3770	2030	1560	1650	1670
26	2920	6210	3300	3510	6730	16200	5430	3510	2140	1960	1560	1600
27	2830	11700	3360	3310	6160	14700	4840	4910	2210	2170	1480	1540
28	4370	16400	3340	3110	5690	11800	4530	7040	2010	1960	1420	1490
29	8820	16000	3250	2960	---	9140	4310	6990	1900	2030	1380	1430
30	10400	13100	3110	2870	---	12000	4240	5650	1800	2540	1640	1380
31	7540	---	3020	2980	---	24600	---	4620	---	2980	2250	---
TOTAL	108090	151810	141920	97140	480610	369970	555800	118220	103520	91770	57320	87310
MEAN	3487	5060	4578	3134	17160	11930	18530	3814	3451	2960	1849	2910
MAX	10400	16400	11100	4060	45800	24900	46800	7040	5350	6890	3050	5770
MIN	1800	2220	3020	2660	3160	4630	4240	2500	1800	1560	1380	1380
CFSM	.53	.77	.70	.48	2.60	1.81	2.81	.58	.52	.45	.28	.44
IN.	.61	.86	.80	.55	2.71	2.09	3.14	.67	.58	.52	.32	.49

CAL YR 1980 TOTAL 6414900 MEAN 17530 MAX 115000 MIN 1560 CFSM 2.66 IN 36.21
WTR YR 1981 TOTAL 2363480 MEAN 6475 MAX 46800 MIN 1380 CFSM .98 IN 13.34

PASCAGOULA RIVER BASIN

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02479000 PASCAGOULA RIVER AT MERRILL, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.41	7.70	10.49	4.78	5.01	6.94	17.62	5.60	5.47	3.34	3.64	4.37
2	8.29	6.80	9.21	4.71	5.84	6.74	18.60	5.46	4.95	3.68	3.21	4.86
3	6.60	6.00	7.94	4.64	8.17	6.53	19.31	5.29	5.24	5.76	3.18	5.15
4	5.86	5.35	7.13	4.58	9.84	6.40	19.88	5.13	6.60	6.47	3.58	5.85
5	5.33	4.95	6.63	4.53	9.98	7.35	20.50	5.00	6.52	6.47	3.27	6.57
6	4.85	4.75	6.25	4.49	11.58	11.18	20.98	4.92	5.90	7.23	3.11	6.61
7	4.53	4.55	5.95	4.60	14.55	14.44	21.07	5.15	5.89	7.67	3.01	6.21
8	4.36	4.40	5.65	5.10	14.12	15.94	20.49	5.29	5.72	6.97	3.46	6.01
9	4.19	4.35	5.47	5.63	12.61	16.47	19.50	5.15	5.64	6.12	4.46	5.42
10	4.05	4.30	5.67	5.88	14.81	16.19	18.41	5.00	5.39	5.47	3.69	4.73
11	4.00	4.25	6.95	5.91	20.76	14.91	17.11	4.83	5.88	4.86	3.27	4.14
12	3.96	4.20	7.96	5.75	22.28	13.23	15.09	4.68	6.64	4.43	3.08	3.78
13	3.87	4.15	7.72	5.47	22.42	10.82	11.44	4.56	6.49	4.17	2.95	3.58
14	3.82	4.10	7.37	5.17	21.96	8.87	9.37	4.46	6.01	4.21	3.48	3.44
15	3.72	4.05	6.88	4.97	20.91	8.09	8.68	4.38	5.72	4.13	3.18	3.50
16	3.66	4.00	6.37	4.84	19.06	7.65	8.24	4.33	5.75	3.90	2.91	3.92
17	3.63	4.00	5.96	4.74	16.39	7.27	7.88	4.29	5.62	3.65	2.85	4.27
18	3.63	4.50	5.68	4.67	13.96	6.94	7.53	4.24	5.14	3.47	2.84	4.33
19	3.80	6.30	5.47	4.61	12.37	6.66	7.17	4.21	4.67	3.33	3.12	4.09
20	4.05	7.40	5.29	4.58	11.64	6.44	6.80	4.57	4.31	3.24	3.48	3.87
21	4.40	6.91	5.16	4.60	11.13	6.26	6.52	6.07	4.04	3.20	3.25	3.66
22	5.50	6.46	5.06	4.69	10.50	7.91	6.36	6.24	3.84	3.13	3.29	3.46
23	5.60	6.13	4.99	4.91	9.77	11.62	6.36	6.20	3.70	3.04	3.33	3.25
24	5.10	6.13	4.96	5.25	9.02	12.06	6.18	5.91	3.64	2.97	3.15	3.07
25	4.90	6.54	5.03	5.43	8.37	12.45	6.54	5.38	3.71	2.95	2.97	2.94
26	4.80	7.52	5.15	5.36	7.89	12.48	6.69	5.16	3.83	3.40	2.85	2.86
27	4.70	10.78	5.21	5.16	7.51	11.75	6.25	6.30	3.91	3.62	2.75	2.79
28	6.20	13.10	5.19	4.96	7.19	10.40	6.01	7.82	3.69	3.38	2.68	2.73
29	9.20	12.92	5.10	4.81	---	9.04	5.83	7.80	3.57	3.44	2.62	2.65
30	10.10	11.55	4.96	4.72	---	10.39	5.78	6.86	3.45	3.99	2.95	2.59
31	8.40	---	4.86	4.83	---	15.89	---	6.08	---	4.41	3.62	---
MEAN	5.27	6.27	6.18	4.98	12.84	10.30	11.94	5.37	5.03	4.39	3.20	4.16
MAX	10.10	13.10	10.49	5.91	22.42	16.47	21.07	7.82	6.64	7.67	4.46	6.61
MIN	3.63	4.00	4.86	4.49	5.01	6.26	5.78	4.21	3.45	2.95	2.62	2.59
CAL YR 1980	MEAN	10.73	MAX	26.92	MIN	3.63						
WTR YR 1981	MEAN	6.61	MAX	22.42	MIN	2.59						

PASCAGOULA RIVER BASIN

02479020 PASCAGOULA RIVER NEAR BENNDAL, MS
(National stream-quality accounting network station)

LOCATION.--Lat 30°52'42", long 88°46'20", on line between secs.15 and 22, T.2 S., R.8 W.,
St. Stephens Meridian, George County, Hydrologic Unit 03170006, on downstream side of
bridge on State Highway 26, 2.1 mi (3.4 km) east of Benndale, and at mile 67.0 (107.8 km).

DRAINAGE AREA.--6,680 mi² (17,301 km²).

PERIOD OF RECORD.--Water years 1958-60, 1962, 1964-65, 1970 to current year.

REVISED RECORD.--WDR MS-80-1: Drainage area.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1958 to September 1960, January 1976 to September 1981 (discontinued).
WATER TEMPERATURE: August to September 1958, March 1959 to September 1960, January 1976 to September
1981 (discontinued).

INSTRUMENTATION.--Specific conductance/temperature recorder from January 1976 to September 1981.

REMARKS.--Prior to Sept. 3, 1980, specific conductance listed as 50 micromhos represent 50 micromhos or less
due to instrument limitations. Interruptions in the record were due to malfunctions of the instrument.
Stream discharge determined 13.8 mi (22.1 km) upstream (station 02479000). In water years 1958-59,
1962-63, and 1966-75, equivalent data was collected 13.8 mi (22.1 km) upstream (station 02479000).

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 581 micromhos Aug. 3, 1960; minimum daily, 30 micromhos June 1,
1959.
WATER TEMPERATURE: Maximum daily, 33.0°C July 1, 15, 21, 1960; minimum daily 3.5°C Nov. 30, Dec. 1,
1959.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 600 micromhos June 24, 1970; minimum, 40 micromhos Jan. 19, 1975.
WATER TEMPERATURE: Maximum, 32.5°C July 2-8, 24, 25, 1977; minimum, 4.0°C Jan. 15, 16, 22, 23, 1978.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 34.5°C July 21; minimum 4.0°C Jan. 13-14.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS NONCAR- BONATE (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)
OCT												
16...	1600	2000	83	6.8	22.0	3.8	8.3	220	K23	14	.00	3.7
NOV												
12...	1315	2640	77	6.9	19.0	7.5	8.2	K15	K8	15	1.0	4.2
DEC												
17...	1100	4530	80	6.8	10.0	3.6	--	K26	--	15	4.0	4.2
JAN												
15...	0945	3290	87	6.8	5.0	4.2	12.1	K12	K9	18	.00	5.2
FEB												
10...	1345	21300	60	6.4	10.0	13	10.8	K840	K1300	12	.00	3.5
MAR												
11...	0930	22700	58	6.6	14.0	45	8.4	200	K33	12	.00	3.5
APR												
07...	0815	51500	45	6.3	19.0	55	6.3	K190	200	12	.00	3.6
MAY												
05...	0945	3660	76	6.9	23.0	5.0	7.8	K13	490	17	1.0	4.8
JUN												
09...	1400	4480	87	6.4	29.5	16	6.8	K19	K31	20	8.0	5.6
JUL												
08...	1215	6500	45	5.9	28.0	20	6.9	390	140	9	4.0	2.4
AUG												
05...	1245	2060	64	7.0	29.0	15	6.3	140	K41	11	.00	2.7
SEP												
02...	1030	3900	61	7.1	27.0	20	7.0	58	K880	10	.00	2.2

PASCAGOULA RIVER BASIN

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02479020 PASCAGOULA RIVER NEAR BENNDALE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHOPUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. STEEVE DIAM. % FINER THAN .062 MM
OCT											
16...	.38	.85	3.8	.060	.18	.040	--	--	64	346	86
NOV											
12...	.11	.72	3.2	.080	.25	.050	4.8	51	29	207	84
DEC											
17...	.19	.47	2.1	.090	.28	.050	5.0	--	33	404	--
JAN											
15...	.19	.39	1.7	.040	.12	.030	--	--	45	400	--
FEB											
10...	<.10	.74	3.3	.090	.28	.030	9.7	--	173	9950	77
MAR											
11...	.37	.98	4.3	.080	.25	.010	9.2	--	182	11200	74
APR											
07...	.64	.72	3.2	.080	.25	.030	--	--	160	22200	65
MAY											
05...	.26	.67	3.0	.070	.21	.030	5.8	1200	22	217	99
JUN											
09...	.34	.76	3.4	.080	.25	.050	7.2	2800	43	520	89
JUL											
08...	.55	.96	4.3	.060	.18	<.010	--	1300	133	2330	92
AUG											
05...	.59	.56	--	.050	.15	.030	5.2	2200	203	1130	97
SEP											
02...	.41	.60	2.7	.710	2.2	.060	5.1	840	245	2580	100

PASCAGOULA RIVER BASIN

02479020 PASCAGOULA RIVER NEAR BENNDALÉ, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHROMIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHROMIUM, SUS- PENDE RECOV- ERABLE (UG/L AS CR)
OCT 16...	2	1	1	100	80	20	0	0	2	20	10
JAN 15...	1	0	1	<50	--	30	0	0	2	20	10
APR 07...	0	0	0	100	70	30	2	0	3	<10	--
JUL 08...	2	0	2	100	70	30	4	0	6	<10	--

DATE	CHROMIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDE RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT 16...	10	1	1	0	3	0	3	1100	790	310	3
JAN 15...	10	0	0	0	3	3	0	780	470	310	5
APR 07...	<10	1	1	0	3	2	1	2300	2000	290	10
JUL 08...	10	1	0	1	5	1	4	1000	660	340	21

DATE	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGANESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGANESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
OCT 16...	2	1	70	20	50	<.1	--	<.1	3	0	4
JAN 15...	2	3	20	0	20	.2	--	<.1	4	2	2
APR 07...	10	0	100	40	60	.1	.0	.1	9	8	1
JUL 08...	20	1	100	60	40	.2	--	<.1	5	2	3

DATE	SELENIUM, TOTAL (UG/L AS SE)	SELENIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELENIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)
OCT 16...	0	0	0	0	0	0	20	10	10	3.0	--
JAN 15...	0	0	0	0	0	0	20	--	<4	3.3	--
APR 07...	0	0	0	0	0	0	70	--	<4	8.5	1.6
JUL 08...	0	0	0	0	0	0	20	0	20	7.4	--

PASCAGOULA RIVER BASIN

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02479020 PASCAGOULA RIVER NEAR BENNDAL, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

DATE TIME	NOV 12,80 1315	MAY 5,81 0945	JUN 9,81 1400	JUL 8,81 1215	AUG 5,81 1245	SEP 2,81 1030
TOTAL CELLS/ML	51	1200	2800	1300	2200	840
DIVERSITY: DIVISION	0.8	1.4	1.2	1.2	0.6	1.4
..CLASS	0.8	1.4	1.2	1.2	0.6	1.4
...ORDER	0.8	1.7	1.5	1.3	0.6	2.1
...FAMILY	1.5	2.4	2.1	1.7	0.7	2.2
....GENUS	1.5	3.0	2.1	1.9	1.4	2.3

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)												
..BACILLARIOPHYCEAE												
...BACILLARIALES												
....NITZSCHIAEAE												
.....NITZSCHIA	--	-	52	4	98	3	13	1	69	3	84	10
...EUPODISCALES												
....COSCINODISCAEAE												
.....COSCINODISCUS	--	-	--	-	--	-	--	-	--	-	14	2
....CYCLOTELLA	--	-	26	2	42	1	13	1	--	-	14	2
...NAVICULALES												
....CYMBELLACEAE												
.....CYMBELLA	--	-	--	-	--	-	--	-	14	1	--	-
...NAVICULACEAE												
....CAPARTOGRAMMA	--	-	--	-	--	-	--	-	--	-	28	3
.....NAVICULA	13#	25	--	-	*	0	26	2	--	-	14	2
...SURIRELLALES												
....SURIRELLACEAE												
.....SURIRELLA	--	-	13	1	--	-	--	-	--	-	--	-
CHLOROPHYTA (GREEN ALGAE)												
..CHLOROPHYCEAE												
...CHLOROCOCCALES												
....CHLOROCOCCACEAE												
.....SCHROEDERIA	--	-	--	-	*	0	--	-	--	-	--	-
...TETRAEDRON	--	-	--	-	--	-	--	-	--	-	14	2
....DICTYOSPHAERIACEAE												
.....DICTYOSPHAERIUM	--	-	77	6	70	2	210#	16	--	-	--	-
...MICRACTINIACEAE												
....MICRACTINIUM	26#	50	130	11	250	9	--	-	--	-	--	-
...OOCYSTACEAE												
....ANKISTRODESMUS	--	-	--	-	*	0	13	1	14	1	--	-
...CHODATELLA	--	-	--	-	*	0	--	-	--	-	--	-
....KIRCHNERIELLA	--	-	--	-	42	1	--	-	--	-	--	-
...OOCYSTIS	--	-	--	-	--	-	13	1	--	-	--	-
...PALMELLACEAE												
....SPHAEROCYSTIS	--	-	--	-	110	4	--	-	--	-	--	-
...SCENEDESMACEAE												
....ACTINASTRUM	--	-	100	8	--	-	--	-	--	-	--	-
...COELASTRUM	--	-	310#	25	--	-	--	-	--	-	--	-
....CRUCIGENIA	--	-	--	-	--	-	52	4	--	-	--	-
...SCENEDESMUS	13#	25	100	8	250	9	190	15	28	1	200#	23
...VOLVOCALES												
....CHLAMYDOMONADACEAE												
.....CHLAMYDOMONAS	--	-	52	4	98	3	--	-	14	1	28	3
...ZYGNEMATALES												
....DESMIDIACEAE												
.....COSMARIIUM	--	-	--	-	--	-	--	-	28	1	--	-
...STAUSTRUM	--	-	--	-	--	-	13	1	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)												
..CYANOPHYCEAE												
...CHROOCOCCALES												
....CHROOCOCCACEAE												
.....ANACYSTIS	--	-	310#	25	1800#	63	770#	59	--	-	42	5
...OSCILLATORIALES												
....OSCILLATORIAEAE												
.....LYNGBYA	--	-	--	-	--	-	--	-	1500#	71	--	-
...OSCILLATORIA	--	-	--	-	--	-	--	-	440#	20	410#	48
EUGLENOPHYTA (EUGLENIDS)												
..EUGLENOPHYCEAE												
...EUGLENALES												
....EUGLENACEAE												
.....EUGLENA	--	-	--	-	28	1	--	-	--	-	--	-
...TRACHELOMONAS	--	-	52	4	--	-	--	-	28	1	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

PASCAGOULA RIVER BASIN

02479020 PASCAGOULA RIVER NEAR BENNDALE, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	62	54	58	86	56	69	72	68	69	88	83	86
2	55	51	52	80	72	75	68	65	66	85	82	83
3	60	55	58	72	70	71	68	66	67	83	81	82
4	85	60	68	72	71	71	70	68	69	82	81	81
5	97	75	86	75	72	73	71	70	71	82	79	80
6	---	---	---	76	74	76	71	70	70	---	---	---
7	---	---	---	---	---	---	71	69	70	---	---	---
8	---	---	---	---	---	---	70	69	70	---	---	---
9	---	---	---	---	---	---	71	70	70	---	---	---
10	---	---	---	---	---	---	70	69	70	---	---	---
11	85	83	84	---	---	---	70	66	68	---	---	---
12	84	81	82	---	---	---	70	64	67	---	---	---
13	81	77	79	79	76	77	64	61	62	---	---	---
14	81	78	80	77	76	77	80	61	70	---	---	---
15	82	79	81	77	76	77	83	75	78	---	---	---
16	---	---	---	78	77	77	83	81	82	86	84	85
17	84	82	83	77	75	76	81	77	79	86	84	87
18	83	79	81	76	73	75	79	77	78	84	82	83
19	79	75	77	73	62	69	79	77	78	84	82	83
20	76	72	74	65	58	60	78	76	77	83	82	82
21	73	71	72	70	62	68	78	76	77	86	83	84
22	98	72	80	69	66	68	78	77	77	87	85	86
23	106	84	100	69	67	68	78	77	77	86	84	85
24	83	63	70	70	69	69	78	77	77	85	81	83
25	65	62	63	71	69	70	81	77	79	81	78	80
26	69	65	67	71	65	68	81	78	79	86	79	82
27	68	67	67	69	64	67	79	77	78	88	86	87
28	68	62	65	68	55	62	79	76	78	---	---	---
29	61	50	54	64	54	58	78	76	77	---	---	---
30	62	54	59	72	64	68	78	76	77	---	---	---
31	56	53	54	---	---	---	83	77	79	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	80	79	79	53	41	45	---	---	---
2	---	---	---	81	79	80	50	46	48	---	---	---
3	---	---	---	81	80	81	47	45	46	---	---	---
4	76	66	70	82	81	82	48	46	47	---	---	---
5	85	66	74	82	79	81	48	46	47	75	73	74
6	90	68	84	82	68	78	46	45	46	76	73	75
7	66	55	58	71	58	64	46	45	45	76	74	75
8	56	54	55	59	53	56	47	45	46	74	70	72
9	65	56	62	55	53	54	49	47	48	70	56	68
10	65	36	56	59	55	57	52	49	50	70	66	68
11	35	33	34	60	57	58	55	52	53	72	69	70
12	37	33	35	59	58	59	57	55	56	76	71	74
13	44	37	40	60	58	59	62	57	59	76	75	76
14	48	44	46	65	60	63	66	62	64	81	76	79
15	51	47	49	70	66	68	68	66	67	80	77	78
16	54	51	53	72	69	71	71	68	70	78	76	77
17	56	53	55	73	71	72	70	69	70	77	76	77
18	57	55	56	76	73	74	72	69	71	79	77	78
19	63	57	60	---	---	---	74	70	72	79	74	76
20	72	64	68	---	---	---	---	---	---	75	72	74
21	71	70	71	---	---	---	---	---	---	73	66	72
22	71	70	70	---	---	---	---	---	---	65	57	61
23	73	70	72	66	53	55	---	---	---	69	58	61
24	75	72	73	55	51	53	---	---	---	84	69	75
25	74	73	74	75	53	66	---	---	---	98	86	95
26	76	74	75	75	60	66	---	---	---	94	76	85
27	78	75	77	60	58	59	---	---	---	75	62	70
28	79	77	78	60	58	59	---	---	---	67	57	62
29	---	---	---	61	60	61	---	---	---	68	58	61
30	---	---	---	62	51	60	---	---	---	76	67	72
31	---	---	---	48	42	44	---	---	---	86	71	78

PASCAGOULA RIVER BASIN

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02479020 PASCAGOULA RIVER NEAR BENNDAL, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	86	78	83	80	75	78				---	---	---
2	83	78	80	78	72	74				---	---	---
3	83	75	78	71	61	66				55	53	54
4	74	63	68	65	62	63				52	48	50
5	69	56	61	64	55	60				57	50	53
6	60	53	56	55	46	50				65	57	60
7	71	58	65	47	45	46				82	65	71
8	76	69	72	49	46	48				82	77	79
9	97	74	86	54	49	51				85	80	83
10	89	74	78	60	54	57				87	81	84
11	87	74	81	69	60	64				81	78	79
12	97	65	85	---	---	---				78	73	76
13	74	56	63	---	---	---				75	73	74
14	78	58	66	---	---	---				77	74	76
15	87	62	72	---	---	---				79	76	78
16	88	70	77	---	---	---				80	77	78
17	103	76	89	---	---	---				77	68	74
18	130	91	112	---	---	---				79	69	73
19	111	83	95	---	---	---				82	75	79
20	102	81	88	---	---	---				74	71	72
21	101	79	88	---	---	---				72	70	71
22	102	79	89	---	---	---				73	70	71
23	106	77	86	---	---	---				81	73	77
24	108	77	87	---	---	---				---	---	---
25	113	77	85	---	---	---				---	---	---
26	96	75	81	---	---	---				---	---	---
27	110	73	85	---	---	---				---	---	---
28	113	76	89	---	---	---				---	---	---
29	107	71	82	---	---	---				---	---	---
30	76	71	74	---	---	---				---	---	---
31	---	---	---	---	---	---				---	---	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.5	23.5	24.0	15.0	14.5	15.0	10.5	9.5	10.0	8.5	7.5	8.0
2	24.5	23.0	23.5	15.0	14.5	15.0	11.5	10.0	10.5	8.5	7.5	8.0
3	23.5	22.0	23.0	16.0	14.5	15.0	11.5	11.0	11.5	8.5	7.0	8.0
4	22.5	21.5	22.0	16.5	15.5	16.0	11.5	11.0	11.5	8.5	7.5	8.0
5	22.0	20.0	21.0	16.5	15.5	16.0	12.0	11.0	11.5	7.5	7.0	7.5
6	---	---	---	16.0	15.0	15.5	12.5	11.5	12.0	7.5	7.0	7.0
7	---	---	---	---	---	---	13.5	12.5	13.0	8.0	7.0	7.5
8	---	---	---	---	---	---	14.5	13.5	14.0	8.0	7.0	7.5
9	---	---	---	---	---	---	15.5	14.5	15.0	7.5	7.0	7.0
10	---	---	---	---	---	---	15.5	14.5	15.0	7.0	6.5	6.5
11	22.5	21.0	21.5	---	---	---	14.0	13.5	13.5	6.5	6.0	6.0
12	21.5	20.0	21.0	---	---	---	13.5	12.5	13.0	6.0	4.5	5.0
13	21.0	18.5	20.0	17.5	16.5	17.0	12.5	12.0	12.0	4.5	4.0	4.5
14	21.0	17.5	19.5	18.0	17.0	17.0	12.0	11.5	11.5	4.5	4.0	4.0
15	24.0	18.0	20.0	19.0	18.0	18.5	11.5	10.5	11.0	5.5	4.5	5.0
16	---	---	---	19.0	18.5	18.5	11.5	11.0	11.0	6.0	5.0	5.5
17	22.5	21.0	21.5	19.0	18.5	18.5	11.0	9.5	10.0	6.0	5.0	5.5
18	22.5	22.0	22.0	18.5	15.0	16.5	10.0	9.0	9.5	6.0	4.5	5.0
19	22.5	21.5	22.0	15.5	14.5	15.0	10.5	9.5	10.0	5.5	5.0	5.0
20	22.0	20.5	21.0	14.5	13.5	14.0	10.0	8.5	9.5	6.0	5.5	5.5
21	20.0	19.5	20.0	13.5	12.0	13.0	8.5	8.0	8.0	6.0	5.5	5.5
22	20.5	19.0	19.5	13.0	12.5	12.5	8.0	7.5	8.0	6.5	5.5	6.0
23	20.5	19.5	20.0	12.5	12.0	12.5	8.5	8.0	8.0	7.5	6.0	6.5
24	21.0	20.0	20.5	13.0	12.5	12.5	10.0	8.5	9.5	8.0	6.5	7.0
25	20.5	19.0	19.5	12.5	12.0	12.5	9.5	8.5	9.0	8.5	7.0	8.0
26	19.0	18.0	18.5	12.0	11.5	11.5	8.5	7.5	8.0	9.0	8.0	8.5
27	18.5	17.5	18.0	11.5	10.5	11.0	8.0	7.5	7.5	10.5	9.0	9.5
28	18.5	18.0	18.0	10.5	10.5	10.5	7.5	7.0	7.0	11.0	10.0	10.5
29	18.0	17.0	17.5	10.0	9.5	10.0	8.0	7.0	7.5	11.0	10.0	10.5
30	17.0	16.0	16.5	10.0	9.5	10.0	8.0	7.5	8.0	11.5	10.5	11.0
31	16.0	15.0	15.5	---	---	---	8.0	7.0	7.5	11.0	10.5	10.5

PASCAGOULA RIVER BASIN

02479020 PASCAGOULA RIVER NEAR BENNDAL, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	12.0	10.5	11.0	16.0	15.0	15.5	18.5	18.0	18.0	---	---	---
2	11.0	10.0	10.5	16.5	15.5	16.0	18.5	18.0	18.0	---	---	---
3	9.5	8.5	9.0	15.5	15.5	15.5	19.0	18.0	18.5	---	---	---
4	8.5	7.5	8.0	15.5	15.0	15.5	19.5	19.0	19.5	---	---	---
5	7.5	7.0	7.5	16.0	15.0	15.5	20.0	19.0	19.5	22.0	21.5	21.5
6	7.0	6.0	6.5	16.0	15.0	15.5	---	---	---	21.5	20.5	21.0
7	6.5	6.0	6.0	15.0	14.5	14.5	19.0	18.0	18.5	21.5	20.0	20.5
8	7.5	6.5	7.0	14.5	14.0	14.0	18.5	18.0	18.0	21.0	20.0	20.5
9	8.0	7.0	7.5	14.0	13.5	14.0	18.5	17.5	18.0	21.0	20.0	20.5
10	10.5	8.0	9.0	14.0	13.0	13.5	19.0	18.0	18.5	22.0	20.5	21.0
11	10.5	9.5	10.0	14.0	13.5	13.5	19.0	18.5	18.5	22.0	20.5	21.5
12	9.5	8.5	9.0	14.0	13.5	13.5	19.5	18.5	19.0	22.5	20.5	21.5
13	8.5	7.5	8.0	14.0	13.5	13.5	20.5	19.5	20.0	23.5	21.5	22.5
14	7.5	7.0	7.5	14.5	13.5	14.0	21.5	20.0	20.5	23.0	22.0	22.5
15	7.5	7.0	7.5	15.5	14.0	14.5	22.5	21.0	21.5	23.5	22.0	22.5
16	8.5	7.5	8.0	16.0	15.0	15.5	22.0	21.5	22.0	23.0	22.0	22.5
17	9.5	8.5	9.0	16.0	15.0	15.5	22.5	21.5	22.0	23.5	21.5	22.5
18	11.0	9.5	10.5	---	---	---	23.5	22.0	23.0	24.5	23.0	23.5
19	12.0	11.0	11.5	---	---	---	23.5	22.5	23.0	24.5	24.0	24.0
20	13.0	12.0	12.5	---	---	---	---	---	---	24.0	22.5	23.5
21	14.0	13.0	13.5	---	---	---	---	---	---	22.5	21.5	22.0
22	14.0	13.5	14.0	---	---	---	---	---	---	23.0	21.0	22.0
23	14.0	13.0	13.5	14.5	13.5	14.0	---	---	---	23.0	22.0	22.5
24	14.0	13.0	13.5	14.5	13.5	14.0	---	---	---	24.0	22.5	23.5
25	14.0	13.0	13.5	14.5	14.0	14.0	---	---	---	24.5	23.5	24.0
26	15.0	13.5	14.0	14.5	14.0	14.0	---	---	---	25.5	24.0	24.5
27	15.5	14.0	14.5	15.0	14.0	14.5	---	---	---	26.0	24.5	25.0
28	15.5	14.5	15.0	16.0	15.0	15.5	---	---	---	26.0	24.0	25.0
29	---	---	---	16.5	15.5	16.0	---	---	---	25.5	24.5	25.0
30	---	---	---	18.0	16.5	17.0	---	---	---	27.0	24.5	25.5
31	---	---	---	18.0	17.5	18.0	---	---	---	27.5	26.0	26.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	26.5	26.0	26.5	28.5	26.5	27.5	32.5	31.0	32.0	27.0	26.0	26.5
2	27.0	26.0	26.5	26.5	25.0	26.0	32.0	30.5	31.0	27.5	26.0	27.0
3	27.0	25.5	26.5	26.0	25.0	26.0	31.5	30.0	31.0	27.0	26.0	26.5
4	27.0	26.0	26.5	---	---	---	31.5	30.0	30.5	27.5	25.5	26.5
5	26.5	26.0	26.5	---	---	---	30.5	29.0	29.5	28.0	26.5	27.0
6	27.0	25.5	26.5	---	---	---	30.5	28.5	29.5	28.5	27.0	27.5
7	26.5	25.5	26.0	---	---	---	31.0	29.5	30.5	28.5	27.0	28.0
8	28.0	26.0	27.0	30.0	28.5	28.5	30.5	29.0	29.5	28.5	27.5	28.0
9	30.0	27.0	28.5	31.5	29.0	30.0	29.0	28.0	28.5	28.5	27.0	28.0
10	29.0	27.0	28.0	31.5	30.0	30.5	29.5	28.0	29.0	27.5	26.5	27.0
11	29.0	27.0	28.0	31.5	30.0	30.5	30.0	28.0	29.0	28.0	26.0	27.0
12	29.5	27.5	28.0	32.0	30.5	31.5	31.0	29.0	30.0	28.5	26.5	27.5
13	29.0	27.0	28.0	33.0	31.0	32.0	31.0	29.5	30.5	28.5	27.0	28.0
14	30.0	27.5	28.5	33.5	31.5	32.5	31.0	29.5	30.5	28.0	27.5	28.0
15	31.5	28.0	29.5	33.5	32.0	33.0	31.5	30.0	30.5	27.5	26.5	27.0
16	32.0	28.5	30.5	34.0	32.5	33.0	31.0	30.0	30.5	27.5	26.0	26.5
17	32.5	29.0	31.0	34.0	32.5	33.5	31.0	29.5	30.5	26.5	25.5	26.0
18	32.0	29.5	31.0	34.0	32.5	33.5	31.5	30.0	31.0	25.5	24.0	24.5
19	31.5	30.0	30.5	34.0	33.0	33.5	31.0	29.5	30.0	24.0	22.5	23.0
20	31.0	29.5	30.0	34.0	32.5	33.0	29.5	28.5	29.0	23.0	21.5	22.5
21	31.5	29.5	30.5	34.5	32.5	33.5	29.0	27.5	29.5	23.5	21.5	22.5
22	31.5	30.0	31.0	34.0	32.5	33.5	28.5	28.0	28.0	24.0	22.0	23.0
23	30.5	29.0	30.0	34.0	32.5	33.5	28.5	27.0	27.5	24.5	22.5	23.5
24	29.0	28.0	28.5	34.0	32.5	33.5	28.5	26.5	27.5	25.5	23.5	24.5
25	28.5	28.0	28.5	33.5	32.5	33.0	29.0	27.5	28.0	25.5	24.0	25.0
26	29.5	27.5	28.5	32.5	31.0	32.0	28.5	27.5	28.5	26.0	24.5	25.5
27	30.0	27.5	28.5	31.5	30.5	31.0	28.0	27.0	28.0	27.0	25.0	26.0
28	30.0	27.5	29.0	31.5	30.0	31.0	28.5	26.5	27.5	27.0	25.0	26.5
29	29.0	28.0	28.5	32.0	31.0	31.5	28.0	27.0	27.5	27.0	25.5	26.5
30	29.5	27.5	28.5	32.5	30.5	31.5	28.0	27.0	27.5	27.0	25.0	26.0
31	---	---	---	32.5	30.5	31.5	28.0	26.5	27.0	---	---	---

PASCAGOULA RIVER BASIN

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02479130 BLACK CREEK NEAR BROOKLYN, MS

LOCATION.--Lat 31°03'06", long 89°12'16", in NW¼NE¼ sec.16, T.1 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 0317007, near right bank at downstream side of downstream bridge of dual bridges on U.S. Highway 49, 1.1 mi (1.8 km) southwest of Brooklyn, and 4.5 mi (7.2 km) upstream from Chaney Creek.

DRAINAGE AREA.--355 mi² (919 km²).

PERIOD OF RECORD.--Occasional discharge measurements, water years 1942-45, 1954-57, 1959, 1961, 1964-66 (revised). October 1970 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 128.14 ft (39.057 m) Mississippi State Highway Department datum.

REMARKS.--Records good except those for period of no gage-height record, Feb. 9-12, which are poor.

AVERAGE DISCHARGE.--11 years, 728 ft³/s (20.62 m³/s), 27.85 in/yr (707 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,500 ft³/s (581 m³/s) Apr. 14, 1974, gage height, 25.32 ft (7.718 m) from floodmark; minimum, 75 ft³/s (2.12 m³/s), Nov. 6, 1978, gage height, 3.82 ft (1.164 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 18, 1961, reached a stage of 25.70 ft (7.833 m), discharge, 21,500 ft³/s (609 m³/s).

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 3,500 ft³/s (99.1 ft³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 11	Unknown	*8970 254	a20.19 6.154	Mar. 30	1500	5560 157	16.43 5.008

Minimum discharge, 85 ft³/s (2.41 m³/s) July 27, 28, gage height, 3.62 ft (1.103 m).

a from floodmark

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	660	713	649	209	237	325	1560	202	125	249	113	181
2	400	368	441	204	817	325	1280	182	131	1080	91	293
3	290	259	374	199	673	315	1110	153	1770	1210	128	859
4	240	226	352	198	584	368	738	140	1480	938	117	723
5	200	210	322	196	519	905	632	150	624	1070	97	485
6	166	214	309	198	2550	723	559	202	408	1540	96	329
7	146	218	302	320	1620	609	471	238	382	1270	93	267
8	139	213	295	413	1030	532	410	219	390	637	223	181
9	145	211	295	392	750	444	364	183	300	392	196	154
10	134	211	394	344	4000	345	333	171	249	276	127	136
11	127	207	572	283	8200	316	307	169	206	326	101	117
12	121	203	617	239	7000	305	288	158	317	293	97	106
13	119	198	568	222	2160	297	270	144	341	227	397	101
14	117	197	486	221	1580	286	249	150	260	193	474	100
15	116	205	369	219	1300	275	230	219	221	178	221	132
16	116	216	335	216	1240	291	212	202	168	144	221	258
17	121	246	314	317	1300	283	201	178	151	125	213	249
18	158	306	298	335	1070	262	189	158	128	118	183	219
19	327	291	275	271	857	247	182	400	114	112	238	167
20	455	258	262	233	717	228	175	682	108	107	198	127
21	367	251	251	239	594	217	222	423	102	101	163	108
22	248	252	250	260	529	1130	401	243	97	104	139	100
23	194	531	252	275	495	1350	280	172	95	95	121	95
24	200	669	270	259	445	974	287	142	107	88	120	91
25	353	578	332	225	408	791	298	128	129	87	109	89
26	388	1030	344	213	381	681	242	630	144	86	108	88
27	283	1770	320	205	357	474	208	624	142	86	104	88
28	1020	1230	288	201	337	352	180	392	128	88	93	87
29	1080	963	268	197	---	335	208	288	106	87	89	90
30	942	840	247	194	---	4280	220	187	97	116	131	88
31	930	---	218	193	---	3330	---	144	---	170	219	---
TOTAL	10302	13284	10869	7690	41750	21595	12306	7673	9020	11593	5020	6108
MEAN	332	443	351	248	1491	697	410	248	301	374	162	204
MAX	1080	1770	649	413	8200	4280	1560	682	1770	1540	474	859
MIN	116	197	218	193	237	217	175	128	95	86	89	87
CFSM	.94	1.25	.99	.70	4.20	1.96	1.16	.70	.85	1.05	.46	.58
IN.	1.08	1.39	1.14	.81	4.37	2.26	1.29	.80	.95	1.21	.53	.64

CAL YR 1980	TOTAL	345286	MEAN 943	MAX 12700	MIN 116	CFSM 2.66	IN 36.18
WTR YR 1981	TOTAL	157210	MEAN 431	MAX 8200	MIN 86	CFSM 1.21	IN 16.47

PASCAGOULA RIVER BASIN

02479155 CYPRESS CREEK NEAR JANICE, MS
(Hydrologic bench-mark station)

LOCATION.--Lat 31°01'30", long 89°01'00", in NW¼NE¼ sec.29, T.1 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170007, on right bank at downstream side of bridge on State Highway 29, 1.2 mi (1.9 km) east of Janice, and 5.5 mi (8.8 km) upstream from mouth.

DRAINAGE AREA.--52.6 mi² (136 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1966 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Altitude of gage is 110 ft (34 m), from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--15 years, 100 ft³/s (2.832 m³/s), 25.82 in/yr (656 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,500 ft³/s (354 m³/s) Apr. 4, 1979, gage height, 28.67 ft (8.739 m); minimum, 4.5 ft³/s (0.13 m³/s) Sept. 2, 3, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 1, 1959, reached a stage of 32.06 ft (9.772 m), discharge, 22,800 ft³/s (646 m³/s).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft³/s (34 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 6	1700	1220 34.6	13.62 4.151	Mar. 30	1830	1720 48.7	16.09 4.901
Feb. 10	2030	*5650 160	24.25 7.391				

Minimum discharge, 4.0 ft³/s (0.11 m³/s) Aug. 27, 28, gage height, 5.36 ft (1.634 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	35	38	20	46	49	185	20	10	11	6.8	9.0
2	33	28	33	20	255	50	130	16	19	45	6.6	15
3	22	25	29	19	142	46	95	14	55	59	6.8	150
4	18	23	26	19	65	57	81	13	51	59	7.1	142
5	16	21	25	19	52	150	87	14	27	58	7.1	47
6	15	19	24	20	971	102	84	20	19	119	6.8	18
7	15	19	24	69	560	62	58	19	21	67	8.7	13
8	15	18	23	62	177	50	47	17	60	32	30	9.8
9	14	18	24	38	112	44	45	15	35	18	20	8.0
10	14	18	88	29	3360	41	40	15	21	13	10	6.6
11	14	18	83	25	2660	39	36	14	22	12	7.3	6.0
12	14	18	48	23	395	37	33	13	80	12	6.0	5.7
13	13	18	35	21	221	37	31	12	56	12	5.7	5.5
14	13	18	29	22	174	37	28	12	24	12	5.7	5.5
15	14	20	26	22	173	36	25	13	15	11	5.5	11
16	14	21	25	22	223	40	24	12	12	10	5.2	103
17	15	22	24	21	187	35	22	12	10	9.5	5.2	49
18	19	28	22	20	139	34	21	11	9.5	8.7	4.8	16
19	46	26	22	20	118	32	20	22	9.2	8.2	4.7	9.8
20	36	23	21	22	102	30	19	69	9.5	8.2	5.0	7.7
21	24	21	21	26	89	32	18	28	9.0	8.2	5.0	6.6
22	20	24	20	25	84	653	17	17	8.7	7.7	4.8	6.0
23	18	106	21	23	83	354	18	13	8.2	7.3	5.0	5.7
24	19	75	24	21	72	130	23	11	9.2	6.8	5.0	5.5
25	25	42	35	20	64	82	22	11	12	6.6	4.5	5.2
26	21	189	31	19	58	62	19	47	17	6.8	4.4	5.2
27	19	406	26	19	55	51	16	48	10	7.1	4.2	5.0
28	407	150	24	19	50	46	14	21	8.2	7.7	4.2	4.8
29	255	70	22	18	---	50	19	14	7.7	8.2	4.5	4.7
30	95	47	21	18	---	1270	27	12	9.2	8.5	8.0	4.7
31	55	---	21	18	---	506	---	10	---	7.5	10	---
TOTAL	1388	1566	935	759	10687	4244	1304	585	664.4	667.0	224.6	691.0
MEAN	44.8	52.2	30.2	24.5	382	137	43.5	18.9	22.1	21.5	7.25	23.0
MAX	407	406	88	69	3360	1270	185	69	80	119	30	150
MIN	13	18	20	18	46	30	14	10	7.7	6.6	4.2	4.7
CFSM	.85	.99	.57	.47	7.26	2.61	.83	.36	.42	.41	.14	.44
IN.	.98	1.11	.66	.54	7.56	3.00	.92	.41	.47	.47	.16	.49
CAL YR 1980	TOTAL	55019.0	MEAN	150	MAX	2950	MIN	13	CFSM	2.85	IN	38.91
WTR YR 1981	TOTAL	23715.0	MEAN	65.0	MAX	3360	MIN	4.2	CFSM	1.24	IN	16.77

PASCAGOULA RIVER BASIN

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02479155 CYPRESS CREEK NEAR JANICE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTANTANEOUS (CFS)	SPE- CTIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOC- FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS NONCAR- BONATE (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
OCT 16...	1900	14	20	6.4	20.5	8.7	K9	<5	3	.00	.5	.4
DEC 16...	1545	25	20	5.7	11.0	--	25	K11	3	.00	.6	.4
FEB 10...	1100	3710	18	5.1	11.0	9.6	K1300	4100	4	3.0	.8	.4
APR 06...	1515	80	22	5.3	20.0	9.2	58	K19	4	2.0	.8	.4
JUN 09...	1615	30	21	5.4	28.0	7.9	100	150	5	.00	.9	.6
AUG 05...	1045	7.1	22	6.5	26.0	7.6	>600	210	4	.00	.9	.5

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINEITY LAR (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)
OCT 16...	1.7	53	.5	.4	5.0	.1	2.8	.0	11	29	20
DEC 16...	2.1	56	.5	.3	5.0	1.8	3.9	.0	13	36	26
FEB 10...	.9	31	.2	.6	1.0	3.9	1.4	<.1	2.5	23	11
APR 06...	1.8	50	.5	.4	2.0	3.6	3.6	<.1	10	33	22
JUN 09...	2.3	48	.5	.5	5.0	2.2	3.9	<.1	11	36	26
AUG 05...	2.1	48	.4	.5	7.0	1.0	2.1	<.1	9.5	21	21

DATE	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)
OCT 16...	.04	1.1	.06	.01	.020	.040	.02	.05	.55	.24	.57
DEC 16...	.05	2.4	.04	.09	.010	.020	.01	.03	.16	.17	.17
FEB 10...	.03	230	.05	.06	.050	.070	.06	.09	.64	.52	.69
APR 06...	.04	7.1	.02	.02	.030	.020	.04	.03	.42	.31	.45
JUN 09...	.05	2.9	.55	.39	.030	.030	.04	.04	.42	--	.45
AUG 05...	.03	.40	.06	.07	<.010	.040	--	.05	--	.28	.33

DATE	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 16...	.29	.28	.63	2.8	.010	.03	.010	--	19	.72	94
DEC 16...	.00	.19	.21	.93	.000	.00	.000	5.1	19	1.3	--
FEB 10...	.10	.59	.74	3.3	.060	.18	.020	13	222	2220	67
APR 06...	.12	.33	.47	2.1	.050	.15	.050	--	30	6.5	66
JUN 09...	--	--	1.0	4.4	.020	.06	--	12	26	2.1	66
AUG 05...	.01	.32	.30	1.7	<.010	.03	<.010	4.9	103	2.0	92

PASCAGOULA RIVER BASIN

02479155 CYPRESS CREEK NEAR JANICE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ARSENIC		ARSENIC		BARIUM,		BARIUM,		BERYL-		CADMIUM		CADMIUM		CHRO-	
	TOTAL		TOTAL		TOTAL		TOTAL		LITHI-		TOTAL		TOTAL		MIUM,	
	(UG/L	AS AS)	(UG/L	AS AS)	(UG/L	AS BA)	(UG/L	AS BA)	(UG/L	AS BE)	(UG/L	AS CD)	(UG/L	AS CD)	(UG/L	AS CR)
OCT 16...	1	0	1	<50	--	20	<1	0	--	<1	10					
APR 06...	0	0	0	100	70	30	<1	5	1	4	<10					

DATE	CHRO-		CHRO-		COPPER,		IRON,		IRON,		LEAD,		LITHIUM,	
	TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	
	(UG/L	AS CH)	(UG/L	AS CR)	(UG/L	AS CU)	(UG/L	AS FE)	(UG/L	AS FE)	(UG/L	AS PR)	(UG/L	AS LI)
OCT 16...	6	4	<3	1	<10	430	250	180	2	<10	<4			
APR 06...	--	7	<3	2	<10	480	170	310	10	<10	<4			

DATE	MANGA-		MANGA-		MERCURY		MERCURY		MOLYB-		SELE-		SELE-		SILVER,	
	TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	
	(UG/L	AS MN)	(UG/L	AS MN)	(UG/L	AS HG)	(UG/L	AS HG)	(UG/L	AS MO)	(UG/L	AS SE)	(UG/L	AS SE)	(UG/L	AS AG)
OCT 16...	30	20	14	.1	.0	.1	<10	0	0	0	0	0	0	0	0	0
APR 06...	50	1	49	.3	.0	.3	14	0	0	0	0	0	0	0	0	0

DATE	SILVER,		SILVER,		STRON-		VANA-		ZINC,		ZINC,		CARBON,		CARBON,	
	TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL		TOTAL	
	(UG/L	AS AG)	(UG/L	AS AG)	(UG/L	AS SR)	(UG/L	AS V)	(UG/L	AS ZN)	(UG/L	AS ZN)	(UG/L	AS C)	(MG/L	AS CN)
OCT 16...	0	0	7	<6.0	10	0	10	--	--	.01						
APR 06...	0	0	8	<6.0	70	--	<4	8.2	1.0	<.01						

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	GROSS		GROSS		GROSS		GROSS		GROSS		RADIUM		URANIUM	
	ALPHA,		ALPHA,		ALPHA,		BETA,		BETA,		226,		235,	
	(PCI/L	AS	(PCI/L	AS	(PCI/L	AS	(PCI/L	AS	(PCI/L	AS	(PCI/L	AS	(PCI/L	AS
APR 06...	<.7	.5	.5	.3	2.0	.7	1.9	.7	.07	.15				

02479155 CYPRESS CREEK NEAR JANICE, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
APR 06...	<.10	<1	<.10	<1.0	<.01	<.1	<.10	<1.0	<.01	<.1	<.01	<.1
DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	
APR 06...	<.01	<.1	<.01	<.01	<.1	<.01	<.1	<.01	<.1	<.01	<.01	
DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	
APR 06...	<.1	<.01	<.1	<.01	<.1	<.01	<.01	<.1	<.01	<.01	<.01	
DATE	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TUX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	
APR 06...	<.1	<.01	.00	<.10	<0	<1.0	<.01	<.01	<.01	<.01	<.01	

PASCAGOULA RIVER BASIN

02479160 BLACK CREEK NEAR WIGGINS, MS

LOCATION.--Lat 30°51'12", long 88°54'49", in SW¼ sec.20, T.2 S., R.9 W., St. Stephens Meridian, Stone County, Hydrologic Unit 03170007, on left bank on downstream side of bridge on State Highway 26, 1.7 mi (2.7 km) downstream from Flat Branch, 8.6 mi (13.8 km) upstream from Sweetwater Creek, and 13.4 mi (21.6 km) east of Wiggins.

DRAINAGE AREA.--701 mi² (1,816 km²).

PERIOD OF RECORD.--Occasional discharge measurements, water years 1956-57, 1959-60. October 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 48.94 ft (14.917 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for period of no gage-height record, Feb. 2 to Feb. 13, which are fair.

AVERAGE DISCHARGE.--10 years, 1,534 ft³/s (43.44 m³/s), 29.72 in/yr (755 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,500 ft³/s (892 m³/s) Apr. 5, 1979, gage height, 26.63 ft (8.117 m); minimum, 135 ft³/s (3.82 m³/s) Sept. 30, 1981, gage height, 3.93 ft (1.198 m); minimum gage height, 3.80 ft (1.158 m) Oct. 19, 20, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood (believed to be that of July 1916) reached a stage of 30.5 ft or 9.30 m, from Mississippi State Highway Department plans. The flood of June 3, 1959, reached a stage of 25.88 ft (7.888 m), and the flood of Feb. 19, 1961, 25.83 ft (7.873 m) from floodmarks; discharge, about 26,000 ft³/s (736 m³/s), based on peak data at sites upstream and downstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 7,000 ft³/s (198 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 12	Unknown	*19600 555	a24.45 7.452	Apr. 1	0900	7390 209	19.54 5.956

Minimum discharge, 135 ft³/s (3.82 m³/s) Sept. 30, gage height, 3.93 ft (1.198 m).

a From floodmark

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	727	1140	1120	427	376	881	7110	448	274	217	282	385
2	884	874	917	414	880	858	4070	409	258	539	223	387
3	752	601	736	404	1700	832	2280	366	409	1850	197	1150
4	642	496	660	396	1300	806	1780	327	2470	2010	255	1860
5	527	448	618	391	1050	1300	1420	318	1740	1400	253	1110
6	356	416	583	386	900	1760	1320	359	858	1650	227	656
7	332	406	563	456	5000	1300	1120	399	743	2160	211	517
8	311	406	546	687	3400	1100	961	432	683	1550	301	462
9	299	404	538	696	3000	982	861	406	659	864	432	335
10	294	396	711	615	3600	858	790	368	509	573	363	274
11	290	393	954	549	8000	768	733	339	471	455	257	241
12	274	386	948	485	17600	724	687	325	573	471	211	217
13	263	378	887	440	15500	702	654	306	724	432	188	199
14	258	371	809	422	7940	690	612	287	567	370	444	189
15	258	371	715	419	4150	666	566	313	439	328	523	223
16	256	376	612	422	3400	657	527	371	385	303	335	352
17	256	391	575	396	3190	657	496	356	322	265	307	467
18	276	414	546	440	2820	636	477	320	292	237	303	363
19	411	524	524	499	2280	598	456	363	263	223	272	311
20	657	499	499	458	1940	572	435	854	259	215	309	259
21	675	450	480	437	1690	546	424	1010	235	207	290	213
22	546	435	464	443	1490	1860	461	627	221	191	357	188
23	432	624	458	453	1370	3760	595	424	217	184	288	174
24	383	1040	466	456	1250	2460	513	334	215	178	267	165
25	414	978	513	443	1130	1520	518	287	245	170	249	155
26	552	988	586	411	1040	1210	521	615	299	263	221	150
27	552	3100	577	396	982	1020	461	985	363	223	193	146
28	1680	3210	538	386	924	796	416	777	307	227	184	142
29	2770	1760	502	376	---	684	388	543	263	209	174	139
30	1750	1310	477	371	---	2840	429	429	233	203	188	135
31	1290	---	456	366	---	6400	---	332	---	213	239	---
TOTAL	19367	23585	19578	13940	97902	40443	32081	14029	15496	18380	8543	11564
MEAN	625	786	632	450	3497	1305	1069	453	517	593	276	385
MAX	2770	3210	1120	696	17600	6400	7110	1010	2470	2160	523	1860
MIN	256	371	456	366	376	546	388	287	215	170	174	135
CFSM	.89	1.12	.90	.64	4.99	1.86	1.53	.65	.74	.85	.39	.55
IN.	1.03	1.25	1.04	.74	5.20	2.15	1.70	.74	.82	.98	.45	.61

CAL YR 1980 TOTAL 761266 MEAN 2080 MAX 18600 MIN 256 CFSM 2.97 IN 40.40
WTR YR 1981 TOTAL 314908 MEAN 863 MAX 17600 MIN 135 CFSM 1.23 IN 16.71

02479300 RED CREEK AT VESTRY, MS

LOCATION.--Lat 30°44'10", long 88°46'50", in SW¼SW¼ sec.34, T.3 S., R.8 W., St. Stephens Meridian, George County, Hydrologic Unit 03170007, near center of channel on downstream side of bridge on county highway, 0.5 mi (0.8 km) north of Vestry, and 1.1 mi (1.8 km) upstream from Little Red Creek.

DRAINAGE AREA.--441 mi² (1,142 km²).

PERIOD OF RECORD.--July 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 20.10 ft (6.126 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--23 years, 871 ft³/s (24.67 m³/s), 26.82 in/yr (681 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,500 ft³/s (609 m³/s) Dec. 12, 1961; maximum gage height, 18.94 ft (5.773 m) Feb. 12, 1981; minimum discharge, 88 ft³/s (2.49 m³/s) Oct. 22, 1963, gage height, 3.22 ft (0.981 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,000 ft³/s (453 m³/s) Feb. 12, gage height, 18.94 ft (5.773 m); only peak above base of 4,000 ft³/s (113 m³/s); minimum, 128 ft³/s (3.62 m³/s) Sept. 30, gage height, 3.93 ft (1.198 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	242	694	638	265	244	480	2550	280	221	219	173	268
2	305	495	508	258	545	463	2970	260	203	219	150	222
3	321	435	455	252	983	463	1910	240	222	400	140	254
4	265	366	405	249	858	467	1400	220	709	950	170	427
5	228	318	369	248	602	568	1100	200	811	1350	210	430
6	206	291	344	245	1370	722	900	210	627	1640	266	351
7	192	272	326	278	2830	629	760	230	607	1930	243	272
8	185	261	314	357	3530	515	660	248	557	1290	206	223
9	180	250	306	364	3030	444	580	268	393	839	182	192
10	176	243	413	350	3660	405	520	262	320	596	178	170
11	174	238	660	317	7390	387	480	234	356	427	183	152
12	170	233	627	290	15100	381	450	213	414	360	167	140
13	164	228	505	271	12700	385	420	203	887	306	153	131
14	161	223	421	262	7860	375	390	196	559	290	140	131
15	161	234	372	259	4750	359	370	207	369	262	136	142
16	162	253	343	257	2950	351	350	244	286	230	151	259
17	162	239	321	252	2160	340	330	259	243	206	162	320
18	163	239	306	247	1690	335	310	232	217	190	154	245
19	188	235	294	244	1410	330	290	217	205	179	145	197
20	283	249	286	245	1120	325	280	540	248	172	146	172
21	357	248	284	253	883	450	270	402	249	164	176	159
22	313	243	284	259	732	1200	300	306	210	156	173	151
23	262	290	280	262	654	1700	360	258	191	149	193	145
24	233	443	280	257	578	1300	340	217	274	141	164	141
25	227	521	290	249	542	959	320	196	387	137	155	136
26	232	532	313	244	516	681	330	436	411	142	161	133
27	243	1240	314	244	501	528	300	785	416	173	158	134
28	777	1810	301	258	491	457	270	468	373	178	143	133
29	1600	1430	288	245	---	427	250	422	334	183	135	131
30	1820	935	284	234	---	835	270	313	288	175	133	129
31	1210	---	271	229	---	1730	---	253	---	188	180	---
TOTAL	11362	13688	11402	8244	79679	18991	20030	9019	11587	13841	5226	6090
MEAN	367	456	368	266	2846	613	668	291	386	446	169	203
MAX	1820	1810	660	364	15100	1730	2970	785	887	1930	266	430
MIN	161	223	271	229	244	325	250	196	191	137	133	129
CFSM	.83	1.03	.83	.60	6.45	1.39	1.52	.66	.88	1.01	.38	.46
IN.	.96	1.15	.96	.70	6.72	1.60	1.69	.76	.98	1.17	.44	.51
CAL YR 1980	TOTAL	477427	MEAN	1304	MAX	14500	MIN	161	CFSM	2.96	IN	40.27
WTR YR 1981	TOTAL	209159	MEAN	573	MAX	15100	MIN	129	CFSM	1.30	IN	17.64

PASCAGOULA RIVER BASIN

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS

LOCATION.--Lat 30°48'32", long 88°27'41", in SW¼ sec. 2, T. 3 S., R. 5 W., George County, MS, Hydrologic Unit 03170008, near left bank on downstream side of bridge on county road 612, 6.7 mi (10.8 km) west of Wilmer, AL, 2.5 mi (4.0 km) west of Alabama-Mississippi State line, 3.7 mi (6.0 km) east of Agricola, MS, and 4.8 mi (7.7 km) below old gage at Escatawpa River near Wilmer, AL.

DRAINAGE AREA.--556 mi² (1,440 km²).

PERIOD OF RECORD.--August 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 50 ft (15 m).

REMARKS.--Water-discharge record good.

AVERAGE DISCHARGE.--8 years (water years 1974-81), 1334 ft³/s (37.78 m³/s), 32.58 in/yr (828 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,400 ft³/s (521 m³/s) Mar. 5, 1979, gage height, 19.67 ft (5.517 m); minimum, 114 ft³/s (3.23 m³/s) Sept. 30, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1929 reached an elevation of 72.0 ft (21.95 m) ± 1.0 ft (0.30 m), National Geodetic Vertical datum of 1929, as determined from historical data. Peak discharge of this flood is unknown but in all probability has not been exceeded since 1929.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,600 ft³/s (357 m³/s) Feb. 12, gage height, 18.20 ft (5.547 m), no other peak above base of 5,000 ft³/s (142 m³/s); minimum discharge, 114 ft³/s (3.23 m³/s) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2190	1150	837	355	323	690	2960	323	840	224	204	820
2	2110	850	698	348	644	660	2590	318	696	237	179	632
3	1450	688	636	339	835	628	2450	280	674	296	177	710
4	905	606	566	332	837	606	1740	258	620	408	179	596
5	624	538	514	326	780	702	1600	254	473	612	210	473
6	478	480	477	323	1830	827	1640	674	401	622	185	410
7	412	437	442	415	3530	837	1280	1160	807	638	185	336
8	356	408	414	484	3580	767	1010	865	584	466	160	321
9	326	385	397	489	2850	692	870	640	464	348	158	236
10	305	368	654	475	4610	650	767	504	520	286	165	195
11	289	356	1190	439	9930	638	664	441	558	334	185	173
12	276	345	1030	408	12400	644	586	374	538	248	187	159
13	266	331	855	387	11400	644	526	324	747	229	198	150
14	261	324	732	376	9770	628	480	289	956	202	355	145
15	257	328	632	372	7720	556	444	272	942	185	390	183
16	254	328	564	364	5270	506	412	255	772	173	315	219
17	257	328	522	352	3250	482	392	244	614	163	236	203
18	262	355	482	337	2570	466	376	236	514	158	207	174
19	315	360	451	329	2080	442	358	278	417	156	254	155
20	347	350	424	334	1760	417	342	1410	336	162	195	146
21	307	337	401	360	1540	401	332	1360	273	159	169	141
22	285	329	388	363	1380	1290	323	942	238	150	156	136
23	271	417	379	356	1260	2830	310	820	220	142	152	132
24	264	588	379	344	1130	2620	336	730	258	136	196	129
25	312	558	397	336	1000	1720	329	610	294	134	237	126
26	321	552	415	328	902	1330	310	1010	350	141	217	123
27	304	1240	424	323	820	1180	292	2830	273	316	169	122
28	2240	1480	412	353	745	1090	278	2150	219	339	148	120
29	4640	1300	394	342	---	980	272	1420	198	262	141	118
30	3060	1040	378	323	---	1900	278	1200	216	231	190	116
31	1720	---	366	312	---	3130	---	1050	---	202	410	---
TOTAL	25664	17156	16850	11324	94746	30953	24547	23521	15012	8359	6509	7699
MEAN	828	572	544	365	3384	998	818	759	500	270	210	257
MAX	4640	1480	1190	489	12400	3130	2960	2830	956	638	410	820
MIN	254	324	366	312	323	401	272	236	198	134	141	116
CFSM	1.49	1.03	.98	.66	6.09	1.80	1.47	1.37	.90	.49	.38	.46
IN.	1.72	1.15	1.13	.76	6.34	2.07	1.64	1.57	1.00	.56	.44	.52
CAL YR 1980	TOTAL	623268	MEAN	1703	MAX	13400	MIN	196	CFSM	3.06	IN	41.70
WTR YR 1981	TOTAL	282340	MEAN	774	MAX	12400	MIN	116	CFSM	1.39	IN	18.89

02481000 BILOXI RIVER AT WORTHAM, MS

LOCATION.--Lat 30°33'30", long 89°07'20", in SE&SE& sec.31, T.5 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on downstream side of right main pier of upstream bridge of dual bridges on U.S. Highway 49, 0.8 mi (1.3 km) east of Wortham, 1.3 mi (2.1 km) downstream from Illinois Central Railroad bridge, 1.1 mi (1.8 km) upstream from Saucier Creek, and 4.2 mi (6.8 km) north of Lyman.

DRAINAGE AREA.--96.1 mi² (248.9 km²).

PERIOD OF RECORD.--October 1952 to current year.

REVISED RECORDS.--WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 19.18 ft (5.846 m) Mississippi State Highway Department datum. Prior to Oct. 1, 1977, at datum 2.00 ft higher.

REMARKS.--Records fair except those for periods of no gage-height record, Oct. 11 to Nov. 18 and June 24 to July 27, which are poor.

AVERAGE DISCHARGE.--29 years, 188 ft³/s (5.324 m³/s), 26.57 in/yr (675 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,420 ft³/s (238 m³/s) Apr. 27, 1964; maximum gage height, 23.08 ft present datum, Sept. 18, 1957; minimum discharge, 1.1 ft³/s (0.031 m³/s) Oct. 21, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1948 reached a stage of 25.3 ft (7.711 m) present datum, from information by Mississippi State Highway Department. Floods in 1916 and 1928 reached approximately the same stage and were at least 8.5 ft (2.59 m) higher than that of Sept. 18, 1957, at a point about 1 mi (1.6 km) upstream, from information by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,690 ft³/s (190 m³/s) Feb. 10, gage height, 19.29 ft (5.880 m), only peak above base of 2,000 ft³/s (56.6 m³/s); minimum, 2.4 ft³/s (0.068 m³/s) Sept. 30, gage height, 1.68 ft (0.582 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	35	65	17	23	81	183	14	6.0	15	11	14
2	7.7	24	53	15	206	79	125	12	5.4	18	29	15
3	9.4	18	55	14	282	77	97	10	12	40	106	79
4	8.1	14	41	13	131	74	79	9.2	6.4	70	173	204
5	6.7	12	32	13	79	76	72	9.3	6.4	100	162	60
6	5.9	11	29	12	1170	93	75	9.8	8.2	300	136	26
7	5.3	10	26	18	1030	86	69	12	9.4	115	75	16
8	5.0	9.6	23	27	603	72	64	12	8.6	60	62	12
9	4.7	9.2	20	34	240	62	53	12	12	38	40	8.6
10	4.5	8.8	36	29	3320	55	45	11	14	27	30	6.7
11	4.3	8.6	104	23	6220	48	40	9.0	20	20	60	5.4
12	4.2	8.4	93	18	2410	43	36	7.8	449	25	31	4.5
13	4.1	8.2	59	16	725	38	31	7.0	456	30	18	4.0
14	4.0	8.2	41	15	377	35	29	6.7	146	34	13	3.7
15	4.0	13	32	14	358	33	27	6.7	61	23	11	4.0
16	4.1	25	29	13	720	31	26	13	31	17	9.4	25
17	4.2	16	25	13	540	30	25	14	20	13	7.4	21
18	4.3	13	23	13	333	29	24	11	14	11	7.0	14
19	4.4	11	21	13	247	28	23	9.0	13	10	9.8	9.0
20	20	9.4	18	13	203	27	22	8.2	13	9.0	33	6.7
21	13	8.7	17	13	173	27	21	6.7	10	8.2	15	5.1
22	10	8.4	17	15	158	109	27	6.4	8.2	7.8	9.0	4.2
23	8.0	14	16	17	149	280	44	5.7	7.4	10	7.0	4.0
24	7.0	43	16	15	133	189	68	5.7	74	14	9.4	3.5
25	6.2	49	21	14	115	110	58	5.7	52	20	10	3.2
26	6.0	119	35	14	104	77	48	11	45	9.2	6.4	3.0
27	21	597	29	13	96	68	36	15	54	6.0	5.1	2.8
28	36	432	25	14	87	64	27	13	41	5.0	4.2	2.8
29	120	167	22	13	---	61	21	9.4	26	4.8	4.2	2.6
30	86	92	19	12	---	208	16	8.2	20	5.1	4.5	2.6
31	54	---	18	12	---	302	---	6.7	---	4.0	6.0	---
TOTAL	488.5	1802.5	1060	495	20232	2592	1511	297.2	1649.0	1069.1	1104.4	572.4
MEAN	15.8	60.1	34.2	16.0	723	83.6	50.4	9.59	55.0	34.5	35.6	19.1
MAX	120	597	104	34	6220	302	183	15	456	300	173	204
MIN	4.0	8.2	16	12	23	27	16	5.7	5.4	4.0	4.2	2.6
CFSM	.16	.63	.36	.17	7.52	.87	.52	.10	.57	.36	.37	.20
IN.	.19	.70	.41	.19	7.83	1.00	.58	.12	.64	.41	.43	.22
CAL YR 1980 TOTAL	96771.3			264	6360	4.0	CFSM	2.75	IN	37.46		
WTR YR 1981 TOTAL	32873.1			90.1	6220	2.6	CFSM	.94	IN	12.72		

WOLF RIVER BASIN

02481510 WOLF RIVER NEAR LANDON, MS
(National stream-quality accounting network station)

LOCATION.--Lat 30°29'00", long 89°16'28", in NE¼ sec.34, T.6 S., R.13 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on left bank at downstream side of bridge on county highway, 0.3 mi (0.5 km) downstream from Sandy Creek, 1.3 mi (2.1 km) upstream from Pole Branch, and 11.2 mi (18.0 km) northwest of Landon.

DRAINAGE AREA.--308 mi² (798 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1971 to current year. Occasional discharge measurements, water years 1964-66.

GAGE.--Water-stage recorder. Datum of gage is 21.34 ft (6.504 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 18, 1978, at datum 2.00 ft higher.

REMARKS.--Records good. No gage-height record May 11 to June 16.

AVERAGE DISCHARGE.--10 years, 695 ft³/s (19.68 m³/s), 30.64 in/yr (778 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge about 15,800 ft³/s (447 m³/s) May 20, 1980, gage height, 19.83 ft (6.044 m); minimum, 44 ft³/s (1.25 m³/s) Oct. 18-22, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 27, 1964, reached a stage of 21.06 ft (6.419 m). The flood of 1920 reached a stage about 5 ft (1.5 m) higher than that of April 1964, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,200 ft³/s (402 m³/s) Feb. 12, gage height, 18.70 ft (5.700 m), only peak above base of 4,000 ft³/s (113 m³/s); minimum daily, 49 ft³/s (1.39 m³/s) Sept. 28, 29, and 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98	220	287	122	138	205	2050	109	74	85	58	130
2	122	180	237	120	289	190	1210	94	66	93	85	113
3	122	155	209	119	558	180	723	85	145	188	152	160
4	98	135	181	116	407	170	479	82	84	306	266	304
5	84	120	165	116	277	320	389	98	76	573	231	203
6	77	110	155	115	2130	450	378	145	92	1080	182	136
7	71	103	147	130	2830	350	334	150	112	694	152	94
8	71	98	142	158	1800	305	277	199	106	387	127	83
9	66	94	141	177	1040	270	241	157	120	314	177	70
10	62	91	190	155	6790	240	217	133	150	221	190	59
11	55	89	334	138	12700	220	201	112	350	150	152	55
12	53	87	311	126	12700	200	188	98	1280	119	103	55
13	52	86	229	120	3890	180	175	89	1370	139	76	55
14	51	85	184	117	1680	165	161	83	580	142	65	55
15	51	100	160	117	1250	152	148	80	230	115	71	90
16	51	140	150	116	1650	144	136	130	120	92	84	150
17	52	120	145	116	1530	133	129	160	91	80	68	122
18	55	130	141	115	1190	129	122	135	76	72	132	85
19	87	124	138	113	891	122	116	112	261	67	102	65
20	150	111	133	113	706	116	108	95	182	65	106	57
21	110	103	130	116	565	112	102	83	111	63	78	54
22	88	99	124	119	485	165	107	76	93	61	70	52
23	75	142	122	120	453	365	111	71	209	60	65	51
24	68	211	126	119	401	640	167	68	296	68	61	51
25	62	289	139	116	353	375	141	66	259	86	79	50
26	60	466	152	113	310	270	130	120	221	69	96	50
27	86	1870	148	113	270	197	116	180	233	64	70	50
28	142	1240	136	112	230	167	102	155	191	60	61	49
29	740	673	129	111	---	157	139	120	127	71	70	49
30	556	401	124	111	---	891	142	100	97	70	104	49
31	330	---	123	108	---	2760	---	86	---	61	207	---
TOTAL	3845	7872	5232	3777	57513	10340	9039	3471	7402	5715	3540	2646
MEAN	124	262	169	122	2054	334	301	112	247	184	114	88.2
MAX	740	1870	334	177	12700	2760	2050	199	1370	1080	266	304
MIN	51	85	122	108	138	112	102	66	66	60	58	49
CFSM	.40	.85	.55	.40	6.67	1.08	.98	.36	.80	.60	.37	.29
IN.	.46	.95	.63	.46	6.95	1.25	1.09	.42	.89	.69	.43	.32
CAL YR 1980 TOTAL	318046			MEAN 869	MAX 14900	MIN 51	CFSM 2.82	IN 38.41				
WTR YR 1981 TOTAL	120396			MEAN 330	MAX 12700	MIN 49	CFSM 1.07	IN 14.54				

02481510 WOLF RIVER NEAR LANDON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1964-66, 1978 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1978 to September 1981 (discontinued).

WATER TEMPERATURE: May 1978 to September 1981 (discontinued).

INSTRUMENTATION.--Specific conductance/temperature recorder from May 1978 to September 1981.

REMARKS.--Prior to Oct. 6, 1978, specific conductance listed as 30 micromhos represent 30 micromhos or less due to instrument limitations. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 35.5°C Sept. 11, 1980; minimum, 6.5°C Dec. 4, 1979.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 92 micromhos July 14, 1980; minimum, 12 micromhos Apr. 13, 1980.

WATER TEMPERATURE: Maximum, 35.0°C July 4, 1979; minimum, 7.5°C Dec. 12, 13, 1978.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 34.5°C July 17-18; minimum, 3.5°C Jan. 13.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCUCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
NOV 12...	1545	87	37	6.3	17.5	2.5	9.5	50	K17	8	.00	1.6
JAN 14...	1630	118	36	6.7	5.5	1.7	12.4	<50	K6	7	.00	1.3
MAR 10...	1630	340	32	5.9	16.0	2.7	9.4	K10	<50	6	2.0	1.0
MAY 04...	1620	81	45	6.9	24.0	1.6	8.8	K7	410	7	4.0	1.5
JUL 08...	1600	364	30	5.8	29.0	11	7.8	220	360	6	5.0	1.4
SEP 01...	0815	136	36	6.1	25.0	3.1	7.5	96	980	8	6.0	1.6
DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACU3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)
NOV 12...	.9	2.7	39	.4	1.1	10	4.9	5.0	.1	13	40	36
JAN 14...	.9	3.0	44	.5	1.1	10	3.3	4.8	<.1	13	34	34
MAR 10...	.8	2.5	45	.5	.7	4.0	5.2	4.2	<.1	10	40	27
MAY 04...	.7	2.6	42	.4	.9	3.0	3.9	4.2	<.1	10	42	26
JUL 08...	.6	2.1	39	.4	.9	1.0	3.8	3.9	<.1	10	23	23
SEP 01...	1.0	2.8	40	.4	.8	2.0	5.2	4.6	<.1	11	52	28
DATE	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
NOV 12...	.05	9.4	.05	.10	.030	.030	.04	.04	.07	.10	.10	.00
JAN 14...	.05	10.8	.11	.11	.010	.050	.01	.06	.18	.06	.19	.08
MAR 10...	.05	36.7	.05	.05	.040	.030	.05	.04	.19	.16	.23	.04
MAY 04...	.06	9.2	.04	.04	.020	.070	.02	.09	.64	.55	.66	.00
JUL 08...	.03	22.6	--	.13	--	.150	--	.19	--	1.1	--	--
SEP 01...	.07	19.1	.10	.06	<.010	<.010	--	.01	--	--	.49	.12

WOLF RIVER BASIN

02481510 WOLF RIVER NEAR LANDON, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. STIEVE DIAM. % FINER THAN .062 MM
NOV 12...	.13	.15	.66	.010	.03	.010	--	26	20	4.7	63
JAN 14...	.11	.30	1.3	<.010	<.03	.010	3.6	--	34	11	--
MAR 10...	.19	.28	1.2	<.010	.03	<.010	5.0	--	28	26	97
MAY 04...	.62	.70	3.1	.020	.06	.010	--	650	24	5.2	54
JUL 08...	1.2	--	--	<.010	.03	<.010	12	130	141	139	92
SEP 01...	.37	.59	2.6	.920	2.8	<.010	7.9	490	130	48	100

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDED RECOV- ERABLE (UG/L AS CR)
NOV 12...	1	0	1	<50	--	40	0	0	2	20	10
MAY 04...	0	0	0	100	70	30	1	--	<1	20	--

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDED RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
NOV 12...	10	0	0	0	2	0	5	570	450	120	1
MAY 04...	<10	1	0	2	2	0	2	590	460	130	1

DATE	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
NOV 12...	1	0	50	0	50	.2	.0	.2	4	0	4
MAY 04...	1	0	40	10	30	.3	.0	.3	4	0	4

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
NOV 12...	0	0	0	0	0	0	20	10	9	.0	--
MAY 04...	0	0	0	0	0	0	30	30	5	7.4	1.3

WOLF RIVER BASIN

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02481510 WOLF RIVER NEAR LONDON, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

DATE TIME	NOV 12, 80 1545	MAY 4, 81 1620	JUL 8, 81 1600	SEP 1, 81 0815
TOTAL CELLS/ML	26	630	130	490
DIVERSITY: DIVISION	0.0	1.4	1.4	1.0
..CLASS	0.0	1.4	1.4	1.0
...ORDER	0.0	1.4	2.1	1.6
...FAMILY	0.0	1.9	2.3	2.2
...GENUS	0.0	2.4	2.3	2.4

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)								
..BACILLARIOPHYCEAE								
...ACHNANTHALES								
...ACHNANTHACEAE								
...ACHNANTHES	--	-	--	-	--	-	28	6
...BACILLARIALES								
...NITZSCHIA								
...NITZSCHIA	26#	100	13	2	13	10	--	-
...EUPODISCALES								
...COSCINODISCACEAE								
...CYCLOTELLA	--	-	13	2	--	-	--	-
...FRAGILARIALES								
...FRAGILARIACEAE								
...SYNEDRA	--	-	--	-	--	-	28	6
...NAVICULALES								
...CYMBELLACEAE								
...CYMBELLA	--	-	--	-	13	10	--	-
...NAVICULACEAE								
...NAVICULA	--	-	--	-	13	10	14	3
...SURIPELLALES								
...SURIPELLACEAE								
...SURIPELLA	--	-	--	-	26#	20	--	-
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
...DICTYOSPHAERIACEAE								
...DICTYOSPHAERIUM	--	-	51	8	--	-	220#	46
...ODCOSTACEAE								
...ANKISTRODESMUS	--	-	26	4	--	-	70	14
...KIRCHNERIELLA	--	-	--	-	--	-	42	9
...SCENEDESMACEAE								
...SCENEDESMUS	--	-	130#	20	52#	40	--	-
...VOLVOCALES								
...CHLAMYDOMONADACEAE								
...CHLAMYDOMONAS	--	-	--	-	--	-	42	9
CRYPTOPHYTA (CRYPTOMONADS)								
..CRYPTOPHYCEAE								
...CRYPTOMONADALES								
...CRYPTOMONADACEAE								
...CRYPTOMONAS	--	-	13	2	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
...CHROOCOCCACEAE								
...AGMENELLUM	--	-	210#	33	--	-	--	-
...ANACYSTIS	--	-	170#	27	--	-	42	9
EUGLENOPHYTA (EUGLENIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
...EUGLENACEAE								
...TRACHELOMONAS	--	-	--	-	13	10	--	-
PYRRHOPHYTA (FIRE ALGAE)								
..DINOPHYCEAE								
...DINOKONTAE								
...GLENODINIACEAE								
...GLENODINIUM	--	-	13	2	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

WOLF RIVER BASIN

02481510 WOLF RIVER NEAR LANDON, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---							---	---	---
2	---	---	---							80	32	50
3	---	---	---							77	32	40
4	---	---	---							32	30	32
5	---	---	---							32	31	31
6	---	---	---							33	32	32
7	---	---	---							32	30	31
8	---	---	---							31	30	30
9	---	---	---							36	30	31
10	---	---	---							39	31	32
11	---	---	---							35	33	34
12	---	---	---							36	35	36
13	---	---	---							35	35	35
14	---	---	---							35	34	35
15	---	---	---							34	33	34
16	---	---	---							34	32	32
17	97	50	61							34	33	34
18	54	46	51							34	33	33
19	69	47	53							34	33	33
20	---	---	---							36	33	34
21	---	---	---							33	33	33
22	---	---	---							33	32	32
23	---	---	---							32	31	32
24	---	---	---							32	31	32
25	---	---	---							32	31	32
26	---	---	---							32	31	32
27	---	---	---							32	31	32
28	---	---	---							32	31	31
29	---	---	---							32	31	32
30	---	---	---							32	31	32
31	---	---	---							33	32	32

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	35	33	33	30	29	30	25	25	25			
2	39	35	37	30	29	30	26	25	26			
3	43	38	41	30	29	30	27	26	27			
4	45	42	44	30	29	30	29	27	28			
5	43	40	42	30	25	28	29	29	29			
6	39	29	33	25	24	25	34	29	30			
7	31	31	31	29	26	28	30	29	30			
8	33	31	32	29	27	29	31	30	31			
9	34	32	33	30	28	30	37	31	32			
10	---	---	---	30	29	30	32	32	32			
11	---	---	---	31	30	31	32	32	32			
12	---	---	---	31	31	31	33	32	32			
13	---	---	---	31	31	31	33	32	32			
14	---	---	---	33	30	31	34	32	33			
15	30	29	30	31	30	30	34	33	34			
16	37	28	29	37	30	33	35	34	34			
17	29	28	29	40	37	39	35	34	35			
18	37	29	33	43	40	42	36	35	35			
19	31	30	31	46	43	45	36	36	36			
20	32	30	31	48	46	47	37	36	36			
21	31	30	30	53	48	49	37	37	37			
22	31	30	30	55	47	51	38	37	37			
23	31	29	30	47	28	36	38	38	38			
24	31	29	30	40	27	28	---	---	---			
25	30	30	30	27	27	27	---	---	---			
26	31	30	30	27	27	27	---	---	---			
27	30	30	30	29	27	28	---	---	---			
28	30	30	30	29	28	28	---	---	---			
29	---	---	---	34	29	29	---	---	---			
30	---	---	---	54	27	40	---	---	---			
31	---	---	---	33	25	27	---	---	---			

02481510 WOLF RIVER NEAR LANDON, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	26.5	25.0	25.5	16.5	13.5	15.0	12.0	9.0	11.0	10.0	7.5	8.5
2	26.5	22.0	24.5	16.5	14.0	15.5	14.5	12.0	13.0	10.0	7.5	8.5
3	26.0	23.0	24.5	18.0	15.0	16.5	14.5	12.5	13.5	9.5	7.0	8.0
4	25.0	21.5	23.0	19.0	16.0	17.5	14.0	11.5	12.5	10.0	7.5	8.5
5	25.0	20.5	22.0	18.0	15.5	16.5	14.5	11.5	13.0	9.0	7.0	8.0
6	---	---	---	18.0	14.5	16.0	15.5	13.0	14.0	9.0	7.0	8.0
7	---	---	---	18.5	15.0	16.5	16.5	14.0	15.0	10.5	8.0	9.0
8	---	---	---	19.5	16.0	17.5	17.0	14.5	16.0	9.5	7.5	8.5
9	---	---	---	20.0	16.0	18.0	18.0	16.0	17.0	9.0	7.5	8.0
10	---	---	---	19.5	16.5	18.0	17.5	14.0	16.0	9.0	7.0	7.5
11	---	---	---	19.0	16.5	18.0	14.0	12.5	13.5	8.0	6.0	7.0
12	---	---	---	18.0	16.0	17.0	13.0	10.5	12.0	7.0	4.5	6.0
13	---	---	---	18.5	15.5	17.0	12.0	10.0	11.0	6.5	3.5	4.5
14	---	---	---	20.5	17.5	19.0	12.0	10.0	11.0	6.0	4.0	5.0
15	---	---	---	21.5	19.5	20.5	11.5	9.5	10.5	8.0	4.5	6.5
16	---	---	---	20.5	19.0	20.0	12.5	11.0	11.5	6.5	6.0	7.0
17	26.0	23.0	24.5	21.0	18.0	20.0	12.0	10.0	11.0	7.5	5.0	6.0
18	25.5	24.0	25.0	18.0	14.0	16.0	11.5	9.0	10.5	7.0	4.5	5.5
19	24.0	22.5	23.5	14.5	12.0	13.0	12.0	9.5	10.5	7.0	4.5	6.0
20	22.5	20.0	21.0	13.5	11.0	12.0	11.5	8.5	10.0	7.5	6.0	6.5
21	21.0	18.5	20.0	12.5	10.5	11.5	9.5	7.5	8.5	7.5	6.5	7.0
22	21.5	19.0	20.5	12.0	11.0	11.5	9.5	7.0	8.0	9.0	7.0	8.0
23	23.5	20.5	21.5	14.0	11.5	13.0	11.5	8.0	10.0	10.5	7.5	8.5
24	24.0	22.0	22.5	14.0	13.0	13.5	13.5	10.5	12.0	10.5	7.5	9.0
25	21.5	18.5	20.0	13.0	12.0	12.5	11.0	8.5	9.5	11.5	8.0	9.5
26	20.0	16.0	18.0	12.0	11.0	11.5	9.0	7.5	8.5	12.0	9.0	10.5
27	19.5	17.0	18.5	12.0	10.5	11.5	9.5	8.0	8.5	13.5	10.5	12.0
28	20.0	19.0	19.5	11.0	9.5	10.5	9.0	6.5	8.0	15.0	11.5	13.0
29	19.0	17.5	18.5	11.0	9.0	10.0	10.0	7.0	8.0	14.5	10.5	12.5
30	18.0	16.0	17.0	11.0	8.5	10.0	10.0	8.0	8.5	15.0	12.0	13.5
31	17.0	14.5	15.5	---	---	---	10.0	7.0	8.5	13.0	12.5	12.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	15.5	12.5	14.0	17.5	16.0	17.0	20.5	19.5	20.0	27.5	23.0	25.5
2	12.5	9.5	11.0	18.5	16.0	17.5	21.0	18.5	19.5	27.5	24.0	25.5
3	10.0	8.0	9.0	16.5	15.5	16.0	21.0	19.5	20.5	26.0	21.5	24.0
4	8.5	7.0	8.0	17.0	16.0	16.5	22.5	20.5	21.5	24.0	22.5	23.0
5	8.0	7.0	7.0	19.0	15.5	17.0	23.5	20.5	22.0	23.0	21.5	22.5
6	8.0	7.0	7.5	17.5	15.0	16.5	22.5	19.0	20.5	22.5	21.5	22.0
7	9.0	8.0	8.5	16.0	15.0	15.5	21.0	18.0	20.0	23.5	20.5	21.5
8	11.0	9.0	10.0	16.0	14.5	15.0	20.5	18.5	19.5	23.0	20.5	21.5
9	11.0	9.0	10.0	17.0	13.0	15.0	23.0	19.5	21.0	23.5	20.5	22.0
10	14.5	11.0	13.5	16.5	14.5	15.5	23.5	19.5	21.5	25.0	22.0	23.0
11	14.0	12.0	13.0	17.5	14.0	16.0	23.0	20.5	22.0	25.0	20.5	22.5
12	12.0	9.0	10.5	16.5	14.5	15.5	24.5	21.0	22.5	26.0	20.5	23.0
13	9.0	8.0	8.5	16.0	14.5	15.0	26.0	22.0	24.0	26.5	20.5	23.5
14	9.0	7.5	8.0	17.0	13.0	15.0	26.0	22.5	24.0	26.5	21.5	23.5
15	10.5	9.0	9.5	17.0	14.0	16.0	27.0	22.5	24.5	27.0	21.5	24.0
16	12.0	10.5	11.5	18.0	15.5	17.0	25.0	23.5	24.0	23.5	21.5	22.5
17	14.0	12.0	13.0	18.0	15.0	16.5	27.0	23.0	24.5	25.0	21.0	23.0
18	15.0	13.5	14.0	18.5	16.5	17.5	27.5	23.5	25.0	27.5	23.0	25.0
19	16.0	13.5	14.5	17.0	15.0	16.0	26.5	24.0	25.0	27.0	25.0	25.5
20	17.0	14.5	16.0	17.0	14.0	15.5	28.5	23.0	25.5	24.5	22.0	23.5
21	17.5	15.5	16.5	16.0	15.0	15.5	29.0	24.5	26.5	26.0	20.0	23.0
22	16.5	15.0	16.0	17.0	15.5	16.0	28.5	25.0	26.5	27.0	20.5	23.5
23	16.0	13.5	15.0	17.0	14.5	15.5	27.5	24.5	26.0	27.0	21.5	24.0
24	16.0	13.0	14.5	17.0	14.0	15.5	25.0	23.0	24.0	28.5	22.0	25.5
25	16.0	13.5	15.0	17.5	14.0	15.5	22.5	19.5	21.5	26.5	24.0	25.5
26	17.0	14.0	15.5	18.0	14.0	16.0	24.5	17.5	22.0	29.0	24.0	26.5
27	17.0	14.0	15.5	19.5	15.0	17.0	26.0	21.5	23.5	30.0	24.0	26.5
28	17.5	14.5	16.0	19.0	16.5	18.0	25.5	23.0	23.5	29.5	25.5	27.0
29	---	---	---	19.0	17.5	18.5	25.0	23.5	24.0	30.5	26.5	28.0
30	---	---	---	22.0	18.5	20.0	26.5	23.5	25.0	31.5	26.0	28.5
31	---	---	---	20.0	19.0	19.5	---	---	---	30.5	26.0	28.5

WOLF RIVER BASIN

02481510 WOLF RIVER NEAR LANDON, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29.0	26.5	28.0	27.5	25.5	26.5	32.0	28.0	30.0	28.0	25.5	26.5
2	31.5	26.5	29.0	25.5	24.5	25.0	32.0	27.0	29.0	27.5	25.0	26.5
3	28.0	23.0	25.5	26.0	23.5	25.0	29.0	26.0	27.0	28.5	25.0	26.0
4	29.5	25.5	27.5	27.0	24.0	25.5	27.5	25.0	26.5	27.5	24.5	26.0
5	27.5	27.0	27.5	26.0	24.0	25.0	28.5	26.0	27.5	27.5	25.5	26.5
6	28.5	26.0	27.5	26.0	23.5	24.5	30.0	26.5	28.0	28.0	25.5	27.0
7	28.0	26.0	27.0	27.5	24.0	25.5	31.0	27.5	29.5	29.0	26.5	27.5
8	29.5	25.5	27.0	29.5	25.0	27.0	30.5	28.0	29.0	28.5	26.0	27.0
9	31.0	27.0	29.0	30.5	26.0	28.5	30.5	27.0	28.5	30.0	23.0	26.5
10	30.0	23.5	26.5	29.5	27.0	28.0	29.0	27.0	28.0	29.0	20.5	23.5
11	28.0	23.5	25.5	30.0	26.0	28.0	30.5	25.0	27.5	29.0	20.0	23.0
12	26.5	23.5	25.0	31.5	27.5	29.0	32.0	27.5	29.5	29.0	21.5	24.0
13	28.0	24.5	26.0	32.0	28.0	30.0	32.5	28.0	30.0	28.5	22.5	24.5
14	29.5	25.5	27.5	33.0	29.0	30.5	32.5	27.5	30.0	28.0	23.0	24.5
15	31.0	26.5	28.5	33.0	29.5	31.0	33.5	28.0	30.5	25.5	23.5	24.5
16	32.0	27.0	29.5	34.0	29.5	31.5	33.0	29.0	31.0	27.0	24.0	25.5
17	33.5	28.0	30.0	34.5	29.0	31.5	33.5	28.5	30.5	26.5	23.0	25.0
18	34.0	28.0	30.0	34.5	29.0	31.5	32.0	28.5	30.0	25.5	21.0	23.0
19	30.0	27.0	28.5	34.0	29.0	31.5	30.5	27.5	29.0	25.0	18.5	20.5
20	30.5	25.5	28.0	34.0	29.5	31.5	31.0	27.0	28.5	22.5	16.0	19.0
21	31.5	27.5	29.5	34.5	29.5	32.0	31.0	27.0	28.5	24.0	17.0	19.5
22	32.5	28.0	30.0	34.5	29.0	32.0	30.0	26.5	28.5	24.5	16.5	19.5
23	29.0	26.5	28.0	34.0	29.5	32.0	30.0	26.5	28.0	25.0	18.0	20.5
24	26.5	24.5	25.5	34.0	29.0	31.5	30.5	26.0	28.5	26.0	19.0	22.0
25	26.0	24.0	25.5	34.0	29.5	31.5	31.5	26.0	28.5	26.5	20.5	22.5
26	29.0	24.5	26.0	33.0	28.5	30.5	30.5	27.0	28.5	26.0	20.0	22.5
27	29.5	25.0	27.0	32.0	28.0	30.0	29.5	26.0	28.0	26.0	20.5	22.5
28	30.0	25.5	27.5	31.5	28.0	29.5	29.5	26.0	28.0	26.5	20.5	22.5
29	29.0	26.5	27.5	30.5	27.5	29.0	27.5	26.5	27.0	26.5	18.0	22.5
30	31.0	25.5	28.0	31.0	27.0	29.0	27.5	25.5	26.0	26.5	19.0	22.5
31	---	---	---	32.5	27.0	30.0	27.5	25.5	26.5	---	---	---

02481880 PEARL RIVER AT BURNSIDE, MS

LOCATION.--Lat 32°50'27", long 89°05'51", in NE¼ sec.6, T.11 N., R.12 E., Choctaw Meridian, Neshoba County, Hydrologic Unit 03160108, on right bank at downstream edge of roadway at bridge on U.S. Highway 15, 2.4 mi (3.9 km) upstream from Gulf Mobile and Ohio railroad, 4.8 mi (7.7 km) north of Philadelphia and 0.9 mi (1.4 km) south of Burnside, MS.

DRAINAGE AREA.--520 mi² (1347 km²).

PERIOD OF RECORD.--January to September 1981.

GAGE.--Water-stage recorder. Altitude of gage is 375 ft (114.3 m) from topographic map.

REMARKS.--Records good.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge observed, 70,600 ft³/s (2000 m³/s) Apr. 13, 1979; gage height 23.31 ft (7.105 m).

EXTREMES FOR CURRENT PERIOD.--January to September 1981: Maximum discharge, 8,390 ft³/s (238 m³/s) Apr. 1, gage height, 15.32 ft (4.670 m); minimum daily, 1.8 ft³/s (0.051 m³/s) Sept. 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	95	159	187	6700	33	16	7.2	4.5	4.5
2			---	88	342	279	6740	32	19	9.1	5.3	5.3
3			---	82	447	313	5980	25	22	8.5	4.3	6.9
4			---	77	525	445	4170	20	28	7.2	3.9	6.9
5			---	73	578	1010	3470	14	34	8.2	3.9	5.3
6			---	72	603	1170	3120	14	37	11	5.5	3.9
7			---	101	619	2250	3240	14	27	12	8.5	3.0
8			---	131	573	2640	2690	14	22	9.6	9.6	2.7
9			---	145	492	2080	1960	18	16	8.8	7.9	2.4
10			---	138	492	1570	1390	20	17	7.2	6.2	2.3
11			---	135	710	1150	1050	14	13	6.4	4.7	2.2
12			---	127	733	904	870	12	14	6.7	3.5	2.1
13			---	119	855	700	682	15	18	8.2	3.4	2.0
14			---	112	1120	536	534	13	9.9	7.9	3.2	2.3
15			---	109	1260	405	409	12	8.8	7.2	3.2	3.0
16			---	104	1170	307	287	12	8.8	7.4	2.7	5.3
17			---	97	1070	254	215	14	10	8.5	4.7	5.3
18			---	91	958	220	170	14	8.3	7.2	5.1	3.5
19			---	88	852	194	149	76	9.0	6.9	3.4	2.4
20			---	104	750	176	131	110	10	6.9	3.5	2.4
21			---	225	685	165	113	142	12	6.4	6.2	2.7
22			---	292	633	371	101	108	15	6.4	6.4	2.4
23			---	316	565	594	83	99	16	6.0	7.4	2.4
24			---	303	483	619	93	81	9.0	4.9	4.5	3.0
25			---	295	397	723	83	54	8.0	4.7	2.9	3.2
26			---	272	313	966	71	41	8.7	5.5	2.9	3.0
27			---	247	246	1020	60	41	10	6.2	2.4	2.9
28			---	230	206	881	53	38	8.6	6.0	2.3	2.7
29			---	220	---	702	44	29	7.4	5.5	2.2	2.7
30			103	186	---	943	37	24	7.1	5.3	2.1	2.7
31			101	161	---	1630	---	16	---	4.9	3.2	---
TOTAL	---	---	---	4835	17827	25404	44695	1169	449.6	223.9	139.5	101.4
MEAN	---	---	---	156	637	819	1490	37.7	15.0	7.2	4.50	3.38
MAX	---	---	---	316	1260	2640	6740	142	37	12	9.6	6.9
MIN	---	---	---	72	159	165	37	12	7.1	4.7	2.1	2.0
CFSM	---	---	---	.30	1.23	1.58	2.87	.07	.03	.01	.009	.007
IN.	---	---	---	.35	1.28	1.82	3.20	.08	.03	.02	.01	.01

PEARL RIVER BASIN

02482000 PEARL RIVER AT EDINBURG, MS

LOCATION.--Lat 32°47'55", long 89°21'10", in SW¼SW¼ sec.13, T.11 N., R.9 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on right bank 20 ft (6.1 m) downstream from bridge on State Highway 16 at Edinburg, 1,100 ft (335 m) downstream from Hooper Mill Creek, 1.6 mi (2.6 km) upstream from Rice Creek and at mile 387.5 (623.5 km).

DRAINAGE AREA.--904 mi² (2,341 km²).

PERIOD OF RECORD.--August 1928 to current year. Daily mean gage heights published since January 1972. Gage-height records collected in same vicinity since 1908 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1504: 1929-30, 1933. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 341.67 ft (104.141 m) National Geodetic Vertical Datum of 1929. Prior to July 2, 1930, nonrecording gage at site 500 ft (152 m) upstream at datum 0.12 ft (0.037 m) higher. July 2, 1930, to Sept. 20, 1938, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--53 years, 1,149 ft³/s (32.54 m³/s), 17.26 in/yr (438 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 77,900 ft³/s (2,210 m³/s) Apr. 14, 1979; gage height, 30.06 ft (9.162 m); minimum discharge, 1.7 ft³/s (0.048 m³/s) Oct. 5, 1954, gage height, 1.02 ft (0.311 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood in March 1902 reached a stage of 29.0 ft (8.84 m), from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,980 ft³/s (283 m³/s) Apr. 5, gage height, 23.63 ft (7.202 m); minimum, 8.2 ft³/s (0.23 m³/s) Sept. 30, gage height, 2.41 ft (0.735 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	1000	1630	260	408	482	4610	132	85	27	18	71
2	37	720	1470	250	902	798	6350	121	78	59	16	62
3	33	620	1410	240	1040	966	9500	113	72	62	15	77
4	29	550	1340	235	1190	1580	9350	105	76	53	16	45
5	24	495	1270	230	1050	2520	9550	99	84	50	22	36
6	22	422	1180	335	946	2740	8260	93	87	69	37	29
7	20	293	1070	390	905	3060	6970	89	121	97	28	24
8	19	211	902	380	890	2710	5830	85	129	66	28	20
9	18	159	684	365	863	2440	5080	81	104	55	29	17
10	16	130	751	340	1160	2660	4400	87	89	46	24	14
11	15	110	935	315	1490	2690	3690	91	125	39	20	13
12	14	94	1220	285	1730	2400	2850	85	258	34	19	11
13	14	173	939	273	1790	1980	2090	77	153	31	17	11
14	13	170	803	265	1540	1570	1550	72	167	30	17	11
15	13	446	711	256	1380	1250	1200	72	149	28	15	19
16	13	601	641	242	1380	1010	933	71	115	25	15	29
17	111	1220	581	229	1510	772	724	85	92	22	15	23
18	134	1260	530	215	1640	608	559	89	78	20	16	18
19	117	1040	479	209	1680	509	448	793	67	19	17	15
20	90	865	440	237	1580	437	370	539	58	19	15	14
21	76	680	415	437	1390	388	314	569	51	18	14	12
22	66	628	390	577	1230	957	272	430	47	17	16	11
23	62	959	360	654	1090	1230	251	315	41	16	17	11
24	80	1210	345	624	974	1780	255	240	37	15	16	11
25	100	1600	340	571	858	1620	230	204	34	31	14	10
26	84	1830	335	524	735	1260	210	191	31	47	13	9.5
27	220	2190	325	482	620	1080	193	176	29	40	12	9.2
28	1120	1880	315	448	512	1060	175	143	28	30	11	8.7
29	853	1930	300	418	---	1140	166	123	24	22	11	8.7
30	1220	1850	285	393	---	2470	146	107	22	20	11	8.7
31	1280	---	270	357	---	2760	---	94	---	19	11	---
TOTAL	5946	25336	22666	11036	32483	48927	86526	5571	2531	1126	545	658.8
MEAN	192	845	731	356	1160	1578	2884	180	84.4	36.3	17.6	22.0
MAX	1280	2190	1630	654	1790	3060	9550	793	258	97	37	77
MIN	13	94	270	209	408	388	146	71	22	15	11	8.7
CFSM	.21	.94	.81	.39	1.28	1.75	3.19	.20	.09	.04	.02	.02
IN.	.24	1.04	.93	.45	1.34	2.01	3.56	.23	.10	.05	.02	.03

CAL YR 1980 TOTAL 729263.0 MEAN 1993 MAX 20800 MIN 13 CFSM 2.21 IN 30.01
WTR YR 1981 TOTAL 243351.8 MEAN 667 MAX 9550 MIN 8.7 CFSM .74 IN 10.01

02482000 PEARL RIVER AT EDINBURG, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.20	---	11.89	---	6.73	7.19	19.04	4.61	4.00	3.04	2.75	3.77
2	3.27	---	11.29	---	9.12	8.71	21.12	4.47	3.90	3.63	2.70	3.59
3	3.20	---	11.05	---	9.72	9.43	23.41	4.36	3.82	3.68	2.66	3.86
4	3.10	---	10.81	---	10.36	11.66	23.34	4.25	3.88	3.54	2.69	3.34
5	3.00	7.07	10.52	---	9.78	14.78	23.43	4.16	3.98	3.48	2.85	3.16
6	2.95	6.66	10.14	---	9.31	15.37	22.74	4.10	4.02	3.77	3.18	3.00
7	2.90	5.85	9.68	---	9.13	16.19	21.78	4.05	4.40	4.13	2.98	2.89
8	2.88	5.24	8.93	---	9.07	15.29	20.69	3.99	4.49	3.73	2.98	2.79
9	2.85	4.79	8.00	---	8.96	14.55	19.76	3.95	4.22	3.56	3.01	2.71
10	2.78	4.50	8.30	---	10.21	15.15	18.78	4.02	4.04	3.39	2.89	2.63
11	2.75	4.29	9.07	---	11.46	15.24	17.49	4.07	4.35	3.25	2.79	2.58
12	2.74	4.11	10.32	5.78	12.30	14.43	15.63	4.00	5.55	3.15	2.75	2.54
13	2.72	4.92	9.09	5.71	12.49	13.12	13.46	3.89	4.73	3.08	2.72	2.52
14	---	4.89	8.52	5.65	11.64	11.77	11.71	3.82	4.86	3.05	2.70	2.52
15	---	6.80	8.12	5.59	11.10	10.61	10.44	3.82	4.69	2.99	2.66	2.74
16	---	7.61	7.80	5.48	11.09	9.64	9.32	3.81	4.35	2.91	2.64	2.98
17	4.30	10.30	7.50	5.38	11.56	8.61	8.44	4.00	4.08	2.86	2.65	2.84
18	4.55	10.48	7.25	5.27	12.00	7.87	7.67	4.04	3.90	2.81	2.67	2.72
19	4.37	9.55	6.98	5.22	12.14	7.37	7.07	8.37	3.75	2.78	2.70	2.64
20	---	8.78	6.04	5.45	11.78	6.99	6.62	7.29	3.63	2.76	2.66	2.60
21	---	7.98	5.60	6.80	11.14	6.70	6.26	7.45	3.51	2.75	2.63	2.55
22	---	7.74	---	7.55	10.51	9.39	5.96	6.70	3.45	2.72	2.69	2.53
23	---	9.18	---	7.95	9.96	10.52	5.80	5.99	3.35	2.69	2.71	2.52
24	---	10.26	---	7.83	9.46	12.48	5.81	5.47	3.27	2.67	2.68	2.50
25	---	11.80	---	7.60	8.97	11.95	5.60	5.18	3.22	3.05	2.63	2.49
26	---	12.63	---	7.38	8.44	10.64	5.42	5.07	3.15	3.39	2.59	2.46
27	---	13.82	---	7.17	7.91	9.95	5.26	4.93	3.11	3.24	2.57	2.45
28	---	12.78	---	6.99	7.37	9.88	5.08	4.64	3.08	3.01	2.54	2.43
29	---	12.95	---	6.82	---	10.20	4.97	4.43	2.99	2.86	2.52	2.43
30	---	12.70	---	6.67	---	14.59	4.76	4.26	2.94	2.81	2.51	2.43
31	---	---	---	6.45	---	15.41	---	4.10	---	2.76	2.53	---
MEAN	---	---	---	---	10.13	11.47	12.56	4.75	3.89	3.15	2.72	2.77
MAX	---	---	---	---	12.49	16.19	23.43	8.37	5.55	4.13	3.18	3.86
MIN	---	---	---	---	6.73	6.70	4.76	3.81	2.94	2.67	2.51	2.43

PEARL RIVER BASIN

02482550 PEARL RIVER NEAR CARTHAGE, MS

LOCATION.--Lat 32°42'25", long 89°31'35", in NE¼NE¼ sec.24, T.10 N., R.7 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on right bank at downstream side of bridge on State Highway 35, 2.1 mi (3.4 km) south of Carthage, 4.0 mi (6.4 km) downstream from Lobutch Creek, 10.8 mi (17.4 km) upstream from Tuscolameta Creek, and at mile 366.3 (589.4 km).

DRAINAGE AREA.--1,346 mi² (3,486 km²).

PERIOD OF RECORD.--September 1962 to current year. Daily mean gage heights published since October 1971.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 315.24 ft (96.085 m) National Geodetic National Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--19 years, 2,003 ft³/s (56.72 m³/s), 20.21 in/yr (513 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 102,000 ft³/s (2,890 m³/s) Apr. 14, 1979, gage height 28.74 ft (8.760 m); minimum 31 ft³/s (0.88 m³/s) Oct. 30, 1963, gage height, 2.36 ft (0.719 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood in March 1902 reached a stage of about 27 ft (8½ m); flood in 1900 reached a stage of 25.6 ft (7.80 m); flood in 1932 reached a stage of 24.3 ft (7.41 m); flood of Apr. 11, 1938, reached a stage of 23.3 ft (7.10 m), all from information by Corps of Engineers. Flood of Dec. 20, 1961, reached a stage of 25.4 ft (7.74 m), discharge, 31,900 ft³/s (903 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,600 ft³/s (470 m³/s) Apr. 5, gage height, 22.14 ft (6.748 m); minimum, 57 ft³/s (1.61 m³/s) Sept. 30, gage height, 2.35 ft (0.716 m).

CORRECTIONS.--The minimum for water year 1980 is 78 ft³/s (2.21 m³/s).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	104	1870	2370	501	784	963	7770	300	258	119	90	66
2	108	1160	2090	481	1600	1410	10200	275	238	160	84	80
3	108	859	1930	466	1910	1520	10900	258	220	209	82	149
4	103	786	1810	460	2070	2450	12800	239	228	200	83	171
5	97	769	1700	441	2070	4210	16000	225	223	206	94	135
6	91	731	1590	435	1830	4480	14400	218	222	232	125	116
7	87	634	1440	577	1550	4710	12100	213	313	287	112	102
8	85	519	1250	707	1430	4740	9950	208	619	241	106	92
9	84	428	1200	717	1360	4430	8180	204	410	196	96	83
10	83	366	1620	701	1740	3910	6940	229	298	170	98	76
11	80	326	1590	657	2500	3740	6010	238	293	152	92	71
12	79	293	1590	609	2680	3410	5020	231	742	138	83	68
13	76	275	1500	568	2820	3000	3920	216	778	129	79	66
14	74	264	1700	542	2770	2510	2900	212	528	122	78	64
15	74	956	1150	526	2480	2040	2140	205	477	116	75	81
16	74	781	1060	512	2170	1700	1690	208	379	110	81	123
17	80	1190	989	492	2160	1410	1450	250	305	106	84	119
18	245	1760	926	468	2250	1170	1140	277	259	101	79	107
19	351	1650	862	453	2330	1000	935	1810	229	97	80	104
20	347	1480	798	464	2310	874	795	1970	196	92	76	89
21	305	1200	725	641	2160	786	688	1620	174	90	75	81
22	258	998	670	850	1950	1370	594	1340	156	86	75	76
23	215	1360	631	1030	1740	1870	537	916	145	83	75	71
24	186	1740	609	1060	1570	2210	533	667	134	81	77	68
25	225	1860	621	995	1410	2510	503	528	127	135	74	66
26	256	2330	619	920	1270	2270	453	477	120	111	72	66
27	252	3040	589	859	1140	1800	416	479	115	134	69	63
28	2030	3130	560	821	1010	1560	385	445	110	137	67	62
29	2290	2980	546	775	---	1570	355	379	107	117	66	59
30	2300	2810	528	734	---	3360	329	327	103	106	65	58
31	2330	---	514	699	---	4260	---	288	---	96	65	---
TOTAL	13077	38225	35777	20161	53064	77243	140033	15452	8506	4359	2558	2632
MEAN	422	1274	1154	650	1895	2452	4668	498	284	141	82.5	87.7
MAX	2330	3130	2370	1060	2820	4740	16000	1970	778	287	125	171
MIN	74	264	514	435	784	786	329	204	103	81	65	58
CFSM	.31	.95	.86	.48	1.41	1.85	3.47	.37	.21	.11	.06	.07
IN.	.36	1.06	.99	.56	1.47	2.13	3.87	.43	.24	.12	.07	.07

CAL YR 1980 TOTAL 1265994 MEAN 3459 MAX 31000 MIN 74 CFSM 2.57 IN 34.99
WTR YR 1981 TOTAL 411087 MEAN 1126 MAX 16000 MIN 58 CFSM .84 IN 11.36

PEARL RIVER BASIN

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02482550 PEARL RIVER NEAR CARTHAGE, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.37	4.46	11.01	5.29	6.98	7.60	17.90	5.13	4.60	3.34	2.83	2.48
2	3.41	4.18	10.45	5.20	9.30	8.88	10.70	4.97	4.47	3.73	2.76	2.67
3	3.41	7.27	10.10	5.73	10.07	9.15	20.11	4.84	4.34	4.13	2.73	3.45
4	3.36	7.02	9.84	5.70	10.41	11.02	20.88	4.71	4.40	4.06	2.73	3.66
5	3.29	6.46	9.60	5.61	10.40	14.04	21.97	4.59	4.37	4.10	2.86	3.29
6	3.23	6.82	9.33	5.58	9.84	14.42	21.44	4.52	4.36	4.29	3.21	3.07
7	3.18	6.45	8.96	6.22	9.24	14.74	20.61	4.48	4.90	4.63	3.06	2.92
8	3.16	5.07	8.44	6.73	8.92	14.84	19.53	4.42	6.39	4.36	2.99	2.81
9	3.15	5.55	8.29	6.77	8.74	14.51	18.34	4.38	5.46	3.99	2.87	2.70
10	3.13	5.23	9.41	6.71	9.64	15.90	17.27	4.54	4.85	3.76	2.89	2.62
11	3.10	5.01	9.33	6.54	11.25	13.75	16.32	4.58	4.80	3.58	2.83	2.55
12	3.09	4.82	9.32	6.35	11.60	13.24	15.30	4.52	6.84	3.43	2.73	2.51
13	3.05	4.71	9.10	6.18	11.84	12.55	14.02	4.40	6.98	3.32	2.68	2.48
14	3.03	4.64	9.59	6.07	11.75	11.68	12.39	4.35	6.00	3.23	2.66	2.46
15	3.02	6.28	8.18	6.00	11.23	10.75	10.97	4.29	5.78	3.16	2.62	2.69
16	3.02	7.00	7.90	5.74	10.62	9.99	9.99	4.29	5.30	3.09	2.69	3.17
17	3.00	8.12	7.69	5.85	10.59	9.28	9.38	4.57	4.87	3.04	2.73	3.12
18	4.49	9.73	7.49	5.74	10.78	8.64	8.56	4.71	4.58	2.98	2.66	2.98
19	5.15	6.57	7.28	5.67	10.43	8.14	7.94	9.68	4.36	2.93	2.67	2.95
20	5.13	9.05	7.06	5.72	10.89	7.72	7.47	10.18	4.12	2.88	2.62	2.79
21	4.89	8.32	6.80	6.47	10.59	7.42	7.07	9.40	3.93	2.85	2.62	2.69
22	4.60	7.72	6.59	7.24	10.15	9.15	6.71	8.68	3.78	2.80	2.61	2.63
23	4.31	8.71	6.44	7.82	9.69	10.38	6.45	7.45	3.67	2.76	2.60	2.57
24	4.10	9.69	6.35	7.92	9.27	11.11	6.42	6.57	---	2.74	2.62	2.52
25	4.37	9.95	6.40	7.71	8.84	11.69	6.27	6.01	---	3.35	2.59	2.49
26	4.58	10.92	6.39	7.47	8.52	11.23	6.03	5.78	---	3.08	2.56	2.49
27	4.52	12.23	6.27	7.26	8.13	10.21	5.83	5.79	---	3.32	2.52	2.45
28	10.28	12.38	6.15	7.14	7.75	9.67	5.65	5.62	---	3.37	2.49	2.43
29	10.85	12.12	6.09	6.98	---	9.69	5.48	5.30	3.47	3.14	2.47	2.39
30	10.88	11.82	6.01	6.83	---	13.14	5.32	5.02	3.17	3.01	2.45	2.37
31	10.93	---	5.95	6.70	---	14.43	---	4.79	---	2.89	2.45	---
TOTAL	143.17	242.20	247.81	200.34	278.09	346.96	371.32	172.56	---	105.39	83.80	82.40
MEAN	4.62	8.07	7.99	6.46	9.93	11.19	12.38	5.57	---	3.40	2.70	2.75
MAX	10.93	12.38	11.01	7.92	11.84	14.84	21.97	10.18	---	4.68	3.21	3.66
MIN	3.02	4.64	5.95	5.58	6.98	7.42	5.32	4.29	---	2.74	2.45	2.37

CAL YR 1980 TOTAL 3644.18 MEAN 9.96 MAX 24.02 MIN 3.02

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS

LOCATION.--Lat 32°35'18", long 89°27'54", in NW¼ sec.34, T.9 N., R.8 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on left bank at downstream side of bridge on State Highway 35, over north drainage canal, 0.4 mi (0.6 km) southwest of Walnut Grove, 0.6 mi (1.0 km) upstream from Gulf, Mobile and Ohio Railroad bridge, 7.5 mi (12.1 km) upstream from junction of north and south drainage canals, and 15.5 mi (24.9 km) upstream from mouth.

DRAINAGE AREA.--411 mi² (1,064 km²), combined drainage area for all channels.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for October to December 1938, published in WSP 1304. Daily mean gage heights published since October 1971.

REVISED RECORDS.--WSP 1002: 1943. WSP 1504: 1939-40, 1943-44(M).

GAGE.--Water-stage recorder. Prior to June 18, 1939, nonrecording gage and June 18, 1939 to July 13, 1953, water-stage recorder and nonrecording gage, at site 0.2 mi (0.3 km) upstream at same datum. Water-stage recorder, on south canal right bank at upstream side of bridge on State Highway 35, 1 mi (2 km) south of north canal gage. Prior to Nov. 24, 1943, nonrecording gage and Nov. 24, 1943, to Oct. 21, 1959, water-stage recorder, on south canal at site 1,800 ft (549 m) downstream, at same datum. Prior to Oct. 1, 1971, at datum 10.00 ft (3.048 m) higher. Datum of gages is 322.70 ft (98.359 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records fair.

AVERAGE DISCHARGE.--43 years, 539 ft³/s (15.26 m³/s), 17.81 in/yr (452 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,600 ft³/s (980 m³/s) Jan. 7, 1950, gage height, 33.00 ft (10.058 m) present datum, north canal, at site 0.2 miles (0.3 km) upstream; maximum gage height, south canal, 31.53 ft (9.610 m) Jan. 7, 1950, present datum, at site 1,800 ft (549 m) downstream; minimum discharge, 2.4 ft³/s (0.068 m³/s) Oct. 2, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Prior to canalization, creek reached a stage of 34.5 ft (7.47 m), present datum, from floodmark, believed to be flood of April 1900.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft³/s (113 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 6	2400	4690 133	--	Apr. 1	1645	*8720 247	26.94 8.211
Mar. 7	0200	-- --	25.08 7.644				

Minimum daily discharge, 9.6 ft³/s (0.27 m³/s) Sept. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	45	298	108	185	288	8230	54	43	22	26	22
2	29	35	228	98	1060	1500	8210	52	39	35	20	42
3	25	29	192	95	1290	1240	7500	50	37	61	18	71
4	21	25	169	97	728	1940	5080	47	65	75	18	130
5	19	25	157	97	430	3880	2650	47	74	44	18	155
6	17	25	150	104	282	4450	2170	46	53	42	18	76
7	17	24	140	243	309	4000	1270	51	45	33	20	40
8	19	24	135	326	305	1180	467	51	42	40	20	21
9	20	25	167	240	242	351	264	54	39	40	17	16
10	19	25	437	187	567	230	203	69	39	30	16	14
11	18	28	519	155	1690	189	172	82	50	25	15	13
12	18	29	386	135	1540	160	147	70	60	21	13	10
13	18	29	270	129	825	142	132	59	78	20	12	10
14	17	28	216	124	427	135	119	55	78	19	11	9.6
15	18	755	185	128	291	125	107	57	61	19	11	30
16	21	1840	169	125	305	122	98	60	47	19	14	35
17	25	1870	161	112	452	120	92	69	37	18	14	26
18	129	1650	150	102	518	105	95	78	31	18	15	20
19	151	929	143	98	407	106	87	409	26	21	15	16
20	104	455	131	123	297	95	84	598	26	18	14	15
21	46	253	121	465	237	104	77	412	24	18	13	14
22	31	189	112	512	193	1640	71	158	23	16	14	13
23	24	800	114	376	170	1980	70	92	22	15	14	12
24	24	1930	118	265	148	1280	84	67	22	14	16	12
25	33	1790	121	209	135	529	101	56	21	15	15	14
26	48	1330	117	179	125	248	87	58	20	26	14	13
27	68	1610	112	164	113	181	72	81	20	25	13	12
28	432	1550	113	164	109	148	62	85	20	22	12	12
29	425	914	115	159	---	169	58	62	25	19	11	11
30	306	508	114	134	---	2830	55	48	21	32	15	12
31	87	---	115	121	---	4360	---	45	---	34	16	---
TOTAL	2259	18769	5675	5574	13380	33827	37914	3222	1188	856	478	896.6
MEAN	72.9	626	183	180	478	1091	1264	104	39.6	27.6	15.4	29.9
MAX	432	1930	519	512	1690	4450	8230	598	78	75	26	155
MIN	17	24	112	95	109	95	55	45	20	14	11	9.6
CFSM	.18	1.52	.45	.44	1.16	2.66	3.08	.25	.10	.07	.04	.07
IN.	.20	1.70	.51	.50	1.21	3.06	3.43	.29	.11	.08	.04	.08
CAL YR 1980 TOTAL	372901.0			MEAN 1019	MAX 16400	MIN 15	CFSM 2.48	IN 33.75				
WTR YR 1981 TOTAL	124038.6			MEAN 340	MAX 8230	MIN 9.6	CFSM .83	IN 11.23				

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GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	CCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.44	11.84	13.81	12.00	12.66	13.07	26.78	10.89	10.96	10.57	10.76	10.88
2	11.39	11.66	13.25	11.86	17.46	18.84	26.77	10.88	10.93	10.60	10.67	11.11
3	11.37	11.57	12.97	11.77	18.18	17.79	26.53	10.81	10.95	10.79	10.62	11.07
4	11.31	11.49	12.74	11.74	16.12	19.74	25.42	10.76	11.67	10.68	10.66	11.22
5	11.32	11.48	12.60	11.76	14.45	23.97	22.11	10.76	11.70	10.72	10.68	11.15
6	11.30	11.46	12.53	11.83	13.46	24.70	20.97	10.74	11.31	10.91	10.65	11.11
7	11.31	11.44	12.43	12.94	13.55	24.09	18.27	10.81	11.15	10.71	10.73	10.94
8	11.31	11.47	12.37	13.89	13.47	17.87	14.66	10.83	11.05	10.78	10.82	10.86
9	11.32	11.50	12.68	13.21	12.97	13.98	13.37	10.84	11.04	10.70	10.72	10.89
10	11.34	11.54	14.71	12.77	15.11	13.10	12.88	11.06	11.00	10.63	10.69	10.91
11	11.33	11.60	15.18	12.47	19.62	12.74	12.55	11.29	11.31	10.62	10.65	10.94
12	11.34	11.63	14.44	12.25	19.05	12.50	12.30	11.11	11.56	10.50	10.63	10.94
13	11.35	11.63	13.62	12.14	16.69	12.34	12.12	10.95	11.93	10.53	10.61	10.96
14	11.36	11.62	13.15	12.11	14.62	12.23	11.98	10.91	11.77	10.31	10.57	10.93
15	11.39	15.57	12.87	12.16	13.58	12.13	11.82	10.98	11.46	10.53	10.60	11.12
16	11.45	20.27	12.67	12.16	13.62	12.14	11.72	11.06	11.23	10.58	10.69	11.21
17	11.60	20.29	12.60	12.01	14.62	12.09	11.61	11.11	11.04	10.51	10.67	11.19
18	11.84	19.46	12.47	11.89	14.90	11.99	11.52	11.30	10.88	10.52	10.73	11.11
19	12.60	17.07	12.36	11.82	14.21	11.98	11.46	13.90	10.75	10.52	10.78	11.06
20	12.46	14.63	12.28	12.08	13.46	11.86	11.40	14.32	10.71	10.49	10.76	11.07
21	11.70	13.32	12.16	14.72	12.95	11.88	11.31	13.27	10.64	10.56	10.77	11.07
22	11.46	12.77	12.02	15.30	12.61	19.27	11.21	12.06	10.62	10.51	10.82	11.08
23	11.38	16.12	12.01	14.38	12.44	20.18	11.17	11.60	10.61	10.51	10.84	11.10
24	11.39	20.22	12.08	13.52	12.25	18.32	11.36	11.33	10.60	10.53	10.81	11.12
25	11.53	19.83	12.13	13.02	12.11	15.06	11.65	11.16	10.59	10.60	10.77	11.14
26	11.70	18.74	12.08	12.71	12.00	13.20	11.37	11.21	10.59	10.78	10.79	11.17
27	11.91	19.43	12.01	12.55	11.90	12.61	11.17	11.33	10.61	10.77	10.79	11.19
28	14.48	19.08	12.02	12.51	11.82	12.32	11.05	11.31	10.59	10.74	10.77	11.20
29	14.90	17.02	12.00	12.58	---	12.48	10.98	11.13	10.58	10.70	10.73	11.22
30	14.44	15.69	11.99	12.24	---	22.06	10.93	10.99	10.57	10.69	10.86	11.27
31	12.45	---	12.02	12.05	---	24.66	---	10.98	---	10.78	10.87	---
MEAN	11.85	14.71	12.72	12.59	14.28	15.84	14.61	11.34	11.01	10.63	10.73	11.07
MAX	14.90	20.29	15.18	15.30	19.62	24.70	26.78	14.32	11.93	10.91	10.87	11.27
MIN	11.30	11.44	11.99	11.74	11.82	11.86	10.93	10.74	10.57	10.49	10.57	10.86
WTR YR 1981 MEAN 12.60 MAX 26.78 MIN 10.49												

PEARL RIVER BASIN

02484000 YOCKANOOKANY RIVER NEAR KOSCIUSKO, MS

LOCATION.--Lat 33°01'55", long 89°34'40", in NE¼NE¼ sec.33, T.14 N., R.7 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, on left bank at downstream side of bridge on State Highway 35, 2.0 mi (3.2 km) south of Kosciusko.

DRAINAGE AREA.--303 mi² (785 km²).

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1947, published as Yokahockany River near Kosciusko.

REVISED RECORDS.--WSP 1504: 1946. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 374.34 ft (114.099 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 28, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years, 436 ft³/s (12.35 m³/s), 19.54 in/yr (496 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,700 ft³/s (1,150 m³/s) Apr. 13, 1979, gage height, 23.06 ft (7.029 m); minimum discharge, 2.3 ft³/s (0.065 m³/s) Aug. 20-24, 1943; minimum gage height, 0.10 ft (0.030 m) Sept. 3-6, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1932 reached a stage of about 17 ft (5.2 m), from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,030 ft³/s (114 m³/s) Apr. 1, gage height, 13.75 ft (4.191 m), only peak above base of 3,000 ft³/s (85.0 m³/s); minimum daily, 11 ft³/s (0.31 m³/s) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	94	159	85	280	157	3570	34	48	249	20	52
2	36	72	134	88	1060	528	3640	36	48	680	19	35
3	28	62	119	78	1540	577	2550	31	47	339	18	24
4	23	58	105	79	829	688	1470	29	66	98	19	26
5	19	54	101	77	382	1840	536	27	74	57	20	21
6	18	51	96	87	263	2050	353	26	61	185	18	18
7	18	49	92	224	217	1550	259	28	104	193	18	16
8	17	48	91	237	200	635	197	30	324	79	22	15
9	17	48	141	185	186	299	166	31	223	48	20	14
10	18	48	431	134	331	205	149	35	107	37	17	15
11	18	48	492	113	985	161	132	42	137	30	16	13
12	18	47	311	98	895	139	120	37	237	25	18	12
13	15	46	200	89	489	124	106	32	163	23	15	12
14	16	46	155	93	317	114	99	30	94	21	15	14
15	15	60	135	96	255	110	119	33	64	19	15	45
16	15	96	131	93	247	113	112	35	51	18	16	56
17	25	242	124	84	326	129	83	47	43	17	16	33
18	75	355	110	79	355	105	72	86	39	16	20	22
19	121	286	102	83	306	100	67	1090	38	15	17	17
20	68	171	93	110	250	88	66	601	34	14	17	15
21	45	120	88	292	202	89	59	183	31	17	17	14
22	34	98	84	310	171	362	54	94	29	15	15	13
23	28	135	85	234	156	631	51	66	27	13	15	13
24	74	203	92	174	135	409	49	52	26	14	16	13
25	102	169	102	155	122	241	53	48	25	38	15	12
26	74	179	96	131	112	185	51	186	25	83	15	12
27	330	456	92	133	106	142	42	198	24	40	14	12
28	822	560	87	124	101	123	38	110	23	35	14	12
29	900	359	84	110	---	279	35	71	22	29	13	12
30	336	222	84	101	---	2090	35	55	21	23	14	11
31	150	---	84	93	---	3110	---	48	---	20	42	---
TOTAL	3522	4482	4300	4069	10718	17373	14333	3451	2255	2490	546	599
MEAN	114	149	139	131	383	560	478	111	75.2	80.3	17.6	20.0
MAX	900	560	492	310	1540	3110	3640	1090	324	680	42	56
MIN	15	46	84	77	101	88	35	26	21	13	13	11
CFSM	.38	.49	.46	.43	1.26	1.85	1.58	.37	.25	.27	.06	.07
IN.	.43	.55	.53	.50	1.32	2.13	1.76	.42	.28	.31	.07	.07
CAL YR 1980 TOTAL	262618		MEAN 718	MAX 10000	MIN 12	CFSM 2.37	IN 32.24					
WTR YR 1981 TOTAL	68138		MEAN 187	MAX 3640	MIN 11	CFSM .62	IN 8.37					

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS

LOCATION.--Lat 32°42'20", long 89°40'20", in NE¼NW¼ sec.22, T.10 N., R.6 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, near center of main span on downstream side of bridge on State Highway 16, 1.5 mi (2.4 km) east of Ofahoma, 3.5 mi (5.6 km) upstream from mouth, and 8.5 mi (13.7 km) southwest of Carthage.

DRAINAGE AREA.--469 mi² (1,215 km²).

PERIOD OF RECORD.--October 1943 to current year. Daily mean gage heights published since October 1971. Prior to October 1947 published as Yokahockany River near Ofahoma.

REVISED RECORDS.--WSP 1204: 1948. WSP 1504: 1949. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 311.15 ft (94.839 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Sept. 5, 1962, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--38 years, 692 ft³/s (19.60 m³/s), 20.04 in/yr (509 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 46,500 ft³/s (1,320 m³/s) Apr. 14, 1979, gage height, 23.27 ft (7.093 m); minimum, 4.9 ft³/s (0.14 m³/s) Aug. 20, Sept. 11, 1954; minimum gage height, 0.95 ft (0.290 m) Nov. 2, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,350 ft³/s (180 m³/s) Apr. 2, gage height, 16.66 ft (5.078 m); minimum, 18.6 ft³/s (0.59 m³/s) Sept. 30, gage height, 0.81 ft (0.247 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	936	538	130	190	182	4940	68	100	52	39	20
2	32	521	406	127	598	300	5740	66	92	274	34	28
3	41	224	279	128	614	344	4450	66	103	269	31	61
4	40	144	220	128	681	485	3810	64	101	384	30	60
5	34	112	190	120	843	1640	3400	60	97	428	30	44
6	29	96	170	122	1040	1640	2760	57	95	257	29	35
7	26	85	158	169	994	1550	1870	55	543	147	31	33
8	24	78	150	199	629	1670	1150	53	737	209	32	31
9	24	73	165	270	382	1740	709	52	291	226	31	28
10	23	68	289	289	524	1470	473	57	317	142	29	24
11	23	67	298	244	816	1010	337	59	289	97	29	23
12	22	64	385	197	681	531	268	60	415	76	30	21
13	22	61	439	169	723	337	226	64	354	66	29	20
14	22	60	440	162	828	276	197	64	350	56	27	20
15	22	68	340	154	847	243	174	59	267	50	25	22
16	22	76	253	150	677	231	157	62	169	46	24	27
17	24	108	212	140	510	213	163	80	123	43	23	37
18	57	191	198	146	447	211	162	79	116	42	23	70
19	68	284	183	130	439	213	138	480	93	39	23	57
20	75	341	169	146	439	195	125	701	77	37	24	41
21	93	315	154	176	414	185	116	854	69	35	25	31
22	77	229	144	224	357	321	110	1090	62	34	26	27
23	55	200	139	315	281	396	105	790	55	32	26	24
24	48	210	141	346	253	470	102	295	50	34	25	23
25	66	226	147	296	241	549	93	164	46	32	24	21
26	108	291	150	241	206	576	89	163	44	31	23	21
27	148	498	151	209	189	450	87	176	44	39	22	21
28	1030	483	148	183	176	318	84	270	41	100	22	20
29	1100	510	150	176	---	264	78	257	39	75	21	19
30	1070	550	136	166	---	1010	73	175	38	55	21	19
31	1110	---	130	153	---	1390	---	126	---	47	21	---
TOTAL	5562	7169	7072	5805	15019	20410	32186	6666	5217	3454	829	928
MEAN	179	239	228	187	536	658	1073	215	174	111	26.7	30.9
MAX	1110	936	538	346	1040	1740	5740	1090	737	428	39	70
MIN	22	60	130	120	176	182	73	52	38	31	21	19
CFSM	.38	.51	.49	.40	1.14	1.40	2.29	.46	.37	.24	.06	.07
IN.	.44	.57	.56	.46	1.19	1.62	2.55	.53	.41	.27	.07	.07
CAL YR 1980 TOTAL	392930			1074	13300	21	CFSM 2.29	IN 31.17				
WTR YR 1981 TOTAL	110317			302	5740	19	CFSM .64	IN 8.75				

PEARL RIVER BASIN

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.23	7.53	5.55	2.50	3.24	3.16	14.90	1.80	2.16	1.46	1.28	.88
2	1.36	5.42	4.75	2.47	6.21	4.20	16.39	1.76	2.06	3.78	1.17	1.05
3	1.52	3.53	3.84	2.48	6.30	4.54	15.37	1.76	2.20	3.75	1.13	1.63
4	1.50	2.85	3.37	2.48	6.68	5.51	14.65	1.74	2.18	4.59	1.10	1.63
5	1.39	2.51	3.10	2.40	7.52	10.73	14.10	1.67	2.12	4.88	1.09	1.36
6	1.28	2.33	2.91	2.42	8.48	10.73	13.07	1.62	2.10	3.64	1.07	1.19
7	1.22	2.20	2.80	2.90	8.25	10.46	11.38	1.59	5.14	2.68	1.12	1.16
8	1.18	2.10	2.71	3.18	6.38	10.80	9.04	1.55	6.50	3.25	1.14	1.12
9	1.16	2.03	2.85	3.78	4.83	11.00	6.86	1.54	3.94	3.42	1.11	1.05
10	1.15	1.97	3.92	3.92	5.76	10.20	5.48	1.63	4.13	2.62	1.08	.97
11	1.14	1.95	3.99	3.57	7.37	8.32	4.52	1.66	3.91	2.13	1.08	.94
12	1.12	1.90	4.61	3.16	6.67	5.80	3.97	1.68	4.80	1.86	1.10	.90
13	1.11	1.86	4.96	2.90	6.89	4.49	3.60	1.74	4.40	1.70	1.07	.88
14	1.11	1.84	4.97	2.83	7.44	4.00	3.32	1.74	4.37	1.56	1.03	.88
15	1.12	1.97	4.30	2.76	7.53	3.72	3.10	1.66	3.75	1.47	.99	.92
16	1.12	2.07	3.64	2.72	6.65	3.62	2.93	1.66	2.89	1.39	.97	1.04
17	1.16	2.46	3.30	2.61	5.68	3.46	2.98	1.91	2.42	1.35	.95	1.24
18	1.76	3.27	3.17	2.67	5.27	3.44	2.97	1.90	2.35	1.32	.95	1.76
19	1.96	3.99	3.04	2.50	5.22	3.46	2.71	5.08	2.08	1.28	.95	1.57
20	2.06	4.38	2.90	2.67	5.22	3.29	2.56	6.42	1.87	1.24	.97	1.31
21	2.29	4.21	2.76	2.97	5.05	3.19	2.45	7.16	1.76	1.20	.99	1.13
22	2.09	3.59	2.65	3.40	4.64	4.37	2.37	8.21	1.65	1.17	1.02	1.03
23	1.76	3.36	2.60	4.12	4.04	4.93	2.32	6.82	1.55	1.14	1.01	.98
24	1.65	3.44	2.62	4.34	3.81	5.43	2.28	3.93	1.47	1.18	.99	.94
25	1.93	3.57	2.68	4.03	3.70	5.92	2.16	2.85	1.40	1.15	.97	.91
26	2.47	4.04	2.72	3.62	3.38	6.09	2.10	2.83	1.37	1.13	.95	.90
27	2.76	5.32	2.73	3.38	3.22	5.31	2.08	2.97	1.36	1.25	.93	.89
28	7.93	5.23	2.69	3.18	3.10	4.36	2.04	3.77	1.31	2.16	.92	.88
29	8.23	5.39	2.72	3.10	---	3.92	1.95	3.86	1.27	1.84	.91	.86
30	8.13	5.62	2.57	3.00	---	7.79	1.87	2.96	1.25	1.55	.91	.85
31	8.28	---	2.50	2.87	---	9.43	---	2.46	---	1.42	.89	---
MEAN	2.39	3.40	3.35	3.06	5.66	5.99	5.85	2.89	2.66	2.08	1.03	1.10
MAX	8.28	7.53	5.55	4.34	8.48	11.00	16.39	8.21	6.50	4.88	1.28	1.76
MIN	1.11	1.84	2.50	2.40	3.10	3.16	1.87	1.54	1.25	1.13	.89	.85

CAL YR 1980 MEAN 5.62 MAX 18.39 MIN 1.09
 WTR YR 1981 MEAN 3.27 MAX 16.39 MIN .85

02486000 PEARL RIVER AT JACKSON, MS

LOCATION.--Lat 32°16'54", long 90°10'43", in NE¼NE¼ sec.15, T.5 N., R.1 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, on left bank at downstream side of bridge on U.S. Highway 80 at eastern city limits of Jackson, 0.4 mi (0.6 km) downstream from Illinois Central Railroad bridge, 0.4 mi (0.6 km) downstream from Town Creek, 4.2 mi (6.8 km) upstream from Richland Creek, and at mile 287.0 (461.8 km).

DRAINAGE AREA.--3,171 mi² (8,213 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1901 to December 1913 (prior to October 1901 and for 1913, gage heights only), August 1928 to current year. Daily mean gage heights published since October 1971. Gage-height records collected at Woodrow Wilson Bridge, 0.6 mi (1.0 km) upstream, 1904 to 1971 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 662: Drainage area. WSP 1504: 1903, 1909. WSP 1906: 1902(M).

GAGE.--Water-stage recorder. Datum of gage is 233.70 ft (71.232 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 31, 1913; and Aug. 15, 1928, to Sept. 14, 1934, nonrecording gage. Prior to Oct. 1, 1975, at site at Woodrow Wilson Bridge, 0.6 mi (1.0 km) upstream, at datum 1.20 ft (0.366 m) higher. Since Oct. 1, 1962, supplementary water-stage recorder and concrete control at Jackson waterworks pumping plant, 3.8 mi (6.1 km) upstream (channel change). Datum of supplementary gage is 239.40 ft (72.969 m) NGVD.

REMARKS.--Records good. About 48 ft³/s (1.36 m³/s) is diverted upstream from station for municipal water supply for City of Jackson, most of which was returned to river and included in discharge records prior to the opening of the City of Jackson Waste Water Treatment Plant at Savannah Street Extension in 1975. Flow regulated since Sept. 27, 1961, by Ross R. Barnett Reservoir, 15 mi (24 km) upstream.

AVERAGE DISCHARGE.--64 years (1901-12, 1928-81), 4,059 ft³/s (115.0 m³/s), 17.38 in/yr (441 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 128,000 ft³/s (3,620 m³/s) Apr. 17, 1979, gage height, 43.28 ft (13.192 m), minimum daily discharge, 45 ft³/s (1.27 m³/s) Oct. 5, 1956, Sept. 18, 1963, regulated; minimum daily unregulated, 78 ft³/s (2.21 m³/s) Oct. 11, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--According to information by local residents and from newspaper records, the flood of Apr. 25, 1874, reached a stage of 37 ft (11.3 m) and the flood of Dec. 5, 1880, reached a stage of 36½ ft (11¼ m), at former site and datum. The flood of Apr. 21, 1900, reached a stage of 36.7 ft (11.19 m), according to the Alabama and Vicksburg Railroad plans confirmed by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25,000 ft³/s (708 m³/s) Apr. 7, gage height, 30.26 ft (9.223 m); minimum daily, 231 ft³/s (6.54 m³/s) Oct. 11, 23, gage height 3.72 ft (1.134 m) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	280	1790	5830	540	1620	1730	9100	261	418	2680	249	258
2	258	1800	4570	537	2830	3560	13700	268	649	5910	252	396
3	261	1810	3540	522	3120	4680	19200	268	465	3840	255	855
4	264	1810	3370	515	4370	7780	21500	261	765	2500	645	414
5	264	1790	3170	515	4740	10900	22600	264	1020	724	289	289
6	255	1790	2680	626	5500	11700	23900	283	873	479	274	277
7	246	1740	2570	1250	4630	13100	24600	274	917	1380	322	271
8	243	1710	1960	1210	3670	14600	23700	268	1040	1530	286	264
9	243	1670	1540	1200	2710	13700	21900	274	974	454	271	264
10	246	1640	2040	1190	3190	11800	18800	375	770	341	271	258
11	231	1610	2000	1190	3980	9890	15700	296	629	328	261	255
12	237	1360	2000	1190	5180	8160	12800	286	629	305	255	252
13	234	1300	2500	774	5850	6130	9550	289	943	296	255	261
14	234	1320	2570	551	5870	4320	6890	393	1320	293	246	328
15	234	1800	2330	544	5310	3080	4780	315	1440	289	246	440
16	228	2310	1370	533	4730	2560	2840	436	873	283	252	508
17	286	2460	1300	530	4130	2080	996	386	595	280	271	312
18	626	2310	1270	526	3000	2020	483	315	504	277	274	280
19	332	3020	1270	530	2050	1830	404	3920	293	280	255	271
20	243	4380	1250	595	2090	1380	362	2940	274	274	249	268
21	237	3990	1200	724	3200	1420	325	3210	268	266	255	261
22	234	3300	672	1180	3430	2520	315	3530	264	261	252	258
23	231	3300	599	1350	2670	3700	309	3180	255	255	252	255
24	277	3610	584	1360	2580	5060	305	2470	264	252	252	255
25	240	3730	577	1360	2370	5330	299	1990	610	255	243	252
26	271	5150	569	1280	1960	5260	289	2210	873	258	246	249
27	386	6170	562	1150	1710	4490	283	2040	305	258	240	249
28	728	6460	562	1150	1330	3850	271	1060	271	255	240	246
29	1530	6740	551	1150	---	2930	271	494	261	258	243	249
30	1850	6710	544	1150	---	4360	268	393	252	258	249	249
31	1760	---	544	1150	---	6440	---	375	---	252	255	---
TOTAL	13189	88580	56094	28072	97820	180360	256740	33324	19014	25573	8405	9244
MEAN	425	2953	1809	906	3494	5818	8558	1075	634	825	271	308
MAX	1850	6740	5830	1360	5870	14600	24600	3920	1440	5910	645	855
MIN	228	1300	544	515	1330	1380	268	261	252	232	240	246
CFSM	.13	.63	.57	.29	1.10	1.84	2.70	.34	.20	.26	.09	.10
IN.	.15	1.04	.66	.33	1.15	2.12	3.01	.39	.22	.30	.10	.11
CAL YR 1980 TOTAL	2735211			7473	MAX 50900	MIN 159	CFSM 2.36	IN 32.09				
WTR YR 1981 TOTAL	816415			2237	MAX 24600	MIN 228	CFSM .71	IN 9.58				

PEARL RIVER BASIN

02486000 PEARL RIVER AT JACKSON, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

CAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.29	7.96	15.87	5.04	7.55	7.80	20.91	4.51	4.70	9.34	3.99	3.90
2	4.22	7.98	13.57	5.03	10.16	11.62	24.74	4.51	5.32	16.01	3.99	3.36
3	4.23	7.99	11.57	4.99	10.73	13.79	27.81	4.50	4.83	12.16	4.00	5.62
4	4.24	7.99	11.24	4.97	13.21	18.95	28.91	4.46	5.61	9.46	5.11	4.44
5	4.20	7.96	10.84	4.97	13.89	22.70	29.34	4.45	6.21	5.46	4.12	4.00
6	4.21	7.96	9.86	5.24	15.27	23.34	29.85	4.49	5.86	4.81	4.05	3.95
7	4.16	7.83	9.64	6.72	13.69	24.38	30.11	4.44	5.97	7.03	4.22	3.92
8	4.17	7.77	8.33	6.64	11.83	25.43	29.76	4.41	6.25	7.36	4.09	3.90
9	4.17	7.68	7.38	6.61	9.91	24.80	29.06	4.41	6.10	4.73	4.03	3.89
10	4.18	7.62	8.53	6.60	10.88	23.45	27.62	4.68	5.62	4.41	4.03	3.86
11	4.13	7.54	8.44	6.59	12.44	21.83	26.05	4.44	5.28	4.36	4.00	3.85
12	4.15	6.97	8.44	6.58	14.70	19.77	24.18	4.39	5.28	4.28	3.97	3.83
13	4.14	6.85	9.49	5.62	15.91	16.41	21.43	4.37	6.03	4.25	3.96	3.86
14	4.14	6.88	9.64	5.07	15.95	13.11	17.75	4.66	6.88	4.22	3.93	4.08
15	4.14	7.57	9.13	5.05	14.93	10.66	13.95	4.42	7.17	4.22	3.93	4.46
16	4.12	9.10	7.01	5.02	13.88	9.61	10.16	4.74	5.86	4.19	3.94	4.68
17	4.29	9.41	6.83	5.01	12.75	8.60	6.21	4.60	5.19	4.17	4.01	4.03
18	5.26	9.10	6.78	5.00	10.49	8.47	5.14	4.40	4.93	4.16	4.01	3.91
19	4.44	10.54	6.77	5.01	8.54	8.05	4.98	12.29	4.33	4.16	3.94	3.87
20	4.17	13.24	6.73	5.19	8.63	7.03	4.89	10.37	4.27	4.14	3.92	3.86
21	4.15	12.48	6.61	5.50	10.90	7.11	4.82	10.91	4.25	4.11	3.93	3.83
22	4.14	11.09	5.39	6.56	11.36	9.52	4.77	11.56	4.24	4.08	3.92	3.82
23	4.13	11.10	5.20	---	9.84	11.89	4.75	10.85	4.21	4.06	3.91	3.79
24	4.28	11.71	5.16	---	9.65	14.48	4.73	9.42	4.24	4.04	3.91	3.79
25	4.16	11.95	5.14	---	9.23	14.96	4.70	8.41	5.05	4.05	3.87	3.78
26	4.26	14.63	5.12	---	8.33	14.83	4.67	8.90	5.79	4.05	3.88	3.76
27	4.56	16.49	5.10	---	7.77	13.43	4.63	8.52	4.35	4.04	3.86	3.76
28	5.51	17.02	5.10	---	6.90	12.20	4.58	6.28	4.24	4.03	3.85	3.74
29	7.37	17.53	5.07	---	---	10.35	4.57	4.91	4.20	4.03	3.86	3.74
30	8.08	17.47	5.05	6.50	---	13.15	4.54	4.63	4.17	4.02	3.88	3.74
31	7.88	---	5.05	6.49	---	16.98	---	4.58	---	4.00	3.84	---
MEAN	4.63	10.26	7.87	---	11.40	14.80	15.32	6.21	5.21	5.40	4.00	4.00
MAX	8.08	17.53	15.87	---	15.95	25.43	30.11	12.29	7.17	16.01	5.11	5.62
MIN	4.12	6.85	5.05	---	6.90	7.03	4.54	4.37	4.17	4.00	3.85	3.74

CAL YR 1980 MEAN 13.59 MAX 35.51 MIN 4.03

02486000 PEARL RIVER AT JACKSON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1962-63, 1965, 1981 to September 1981 (discontinued).

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)
MAR				
12...	1330	8080	59	1290
MAY				
13...	1000	299	36	29
JUN				
24...	1430	268	39	28
SEP				
28...	1500	249	31	21

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM	BED MAT. SIEVE DIAM. % FINER THAN .125 MM	BED MAT. SIEVE DIAM. % FINER THAN .250 MM	BED MAT. SIEVE DIAM. % FINER THAN .500 MM	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM
MAR									
12...	1332	25.0	1	1	2	31	95	--	--
12...	1334	50.0	1	1	2	65	98	--	--
12...	1336	75.0	1	1	2	73	99	--	--
MAY									
13...	1002	25.0	0	0	1	47	96	99	100
13...	1004	50.0	0	0	2	67	99	100	--
13...	1006	75.0	0	0	16	82	100	--	--

PEARL RIVER BASIN

02488500 PEARL RIVER NEAR MONTICELLO, MS

LOCATION.--Lat 31°33'12", long 90°05'16", in SW¼ sec.23, T.7 N., R.21 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, near left bank on downstream side of pier of bridge on U.S. Highway 84, 1.0 mi (1.6 km) east of Monticello, 2.5 mi (4.0 km) upstream from Halls Creek, 4.1 mi (6.6 km) upstream from Silver Creek and at mile 190.8 (307.0 km).

DRAINAGE AREA.--4,993 mi² (12,930 km²).

PERIOD OF RECORD.--October 1938 to current year. Daily mean gage heights published since January 1972. Gage-height records collected in vicinity since 1924, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1504: 1939, 1949.

GAGE.--Water-stage recorder. Datum of gage is 158.66 ft (48.360 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 12, 1938, nonrecording gage; Dec. 12, 1938, to Jan. 10, 1949, water-stage recorder; and Jan. 11, 1949, to Oct. 16, 1952, nonrecording gage, all at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years, 6,654 ft³/s (188.4 m³/s), 18.10 in/yr (460 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 122,000 ft³/s (3,460 m³/s) Apr. 20, 1979, gage height, 34.08 ft (10.388 m); minimum, 269 ft³/s (7.62 m³/s) Oct. 24, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1902 reached a stage of about 33 ft (10 m), from reports of National Weather Service, discharge, about 100,000 ft³/s (2,830 m³/s), from rating curve extended above 70,000 ft³/s (1,980 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21,300 ft³/s (603 m³/s) Apr. 7, gage height, 21.23 ft (6.471 m); minimum, 564 ft³/s (16.0 m³/s) Sept. 30, gage height, 5.01 ft (1.527 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	903	2050	7330	1200	2050	2510	14600	1210	1500	876	717	843
2	907	2070	6830	1190	3570	2230	16600	1150	1400	4890	704	839
3	775	2050	6000	1190	5850	3180	17600	1090	1640	16400	695	881
4	695	2050	4880	1180	5830	7140	18500	1050	2430	14800	686	1160
5	647	2060	4100	1150	5620	17500	19600	1020	2060	8790	704	1350
6	629	2050	3830	1130	7060	19300	20400	1000	2030	4930	930	1370
7	617	2040	3560	1290	8370	17900	21000	1040	2280	3010	881	1170
8	613	2020	3310	1660	7830	16100	21200	1030	2210	2130	761	935
9	613	1950	3270	2070	6560	14900	20900	1000	2030	2370	765	788
10	608	1970	4500	2100	5880	14000	20600	1080	1910	2420	765	717
11	596	1950	4290	2000	8320	13400	20500	1970	1890	1770	747	674
12	592	1920	3600	1900	8320	12700	20300	1750	2240	1480	725	649
13	588	1900	3310	1840	7530	11500	19900	1380	2110	1370	704	640
14	575	1770	3110	1790	7280	9950	17900	1200	2380	1130	699	682
15	567	1800	3210	1690	7090	7660	14300	1130	2310	1030	686	920
16	567	3670	3230	1390	6860	5740	10000	1130	2210	974	674	1370
17	575	4870	2900	1230	6390	4630	6460	1140	2170	940	699	1300
18	621	5570	2320	1190	5910	3980	4270	1150	1730	896	915	1120
19	963	5380	2100	1160	5230	3530	2780	2320	1370	867	811	930
20	1710	4290	2020	1180	4280	3350	2060	10700	1230	843	815	774
21	1540	4130	1970	1230	3530	3070	1800	9920	1130	843	792	704
22	1210	4450	1940	1340	3530	4630	1660	6850	995	834	717	682
23	898	5500	1880	1470	4250	7070	1590	5510	930	820	582	661
24	760	7750	1620	1830	4170	7660	1780	4840	896	806	674	644
25	858	7320	1420	2230	3660	7470	1730	4280	910	797	657	624
26	928	6630	1320	2340	3480	7120	1550	5820	900	792	640	600
27	819	8320	1290	2300	3190	6780	1440	5760	1040	756	628	592
28	1150	9310	1280	2220	2850	6400	1360	4470	1530	747	616	588
29	1260	8620	1260	2060	---	5760	1270	3630	1150	761	608	580
30	1360	7950	1230	1850	---	9300	1220	2570	940	747	657	572
31	1690	---	1220	1790	---	12500	---	1840	---	730	848	---
TOTAL	26834	123450	94130	50190	154490	268960	324870	90030	49551	80549	22602	25359
MEAN	866	4116	3036	1619	5518	8676	10830	2904	1652	2598	729	845
MAX	1710	9310	7330	2340	8370	19300	21200	10700	2430	16400	930	1370
MIN	567	1770	1220	1130	2050	2230	1220	1000	896	730	608	572
CFSM	.17	.82	.61	.32	1.11	1.74	2.17	.58	.33	.52	.15	.17
IN.	.20	.92	.70	.37	1.15	2.00	2.42	.67	.37	.60	.17	.19
CAL YR 1980 TOTAL	4327609	MEAN	11820	MAX	79600	MIN	567	CFSM	2.37	IN	32.24	
WTR YR 1981 TOTAL	1311055	MEAN	3592	MAX	21200	MIN	567	CFSM	.72	IN	9.77	

PEARL RIVER BASIN

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02488500 PEARL RIVER NEAR MONTICELLO, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.42	8.28	13.23	6.67	7.66	8.25	17.50	6.54	6.73	5.73	5.47	5.66
2	6.42	8.26	12.83	6.66	9.33	7.91	18.51	6.43	6.56	9.88	5.44	5.65
3	6.15	8.23	12.13	6.66	11.50	8.88	18.97	6.34	6.94	18.51	5.42	5.74
4	5.97	8.23	11.17	6.64	11.48	12.09	19.36	6.28	8.02	17.69	5.40	6.28
5	5.85	8.23	10.45	6.59	11.31	18.94	19.85	6.24	7.54	13.71	5.44	6.62
6	5.80	8.22	10.18	6.55	12.47	19.71	20.67	6.24	7.50	10.46	5.90	6.66
7	5.77	8.20	9.90	6.83	13.48	19.12	21.11	6.30	7.84	8.78	5.80	6.30
8	5.75	8.17	9.61	7.42	13.08	18.27	21.20	6.28	7.74	7.78	5.54	5.85
9	5.75	8.13	9.57	8.02	12.09	17.66	21.08	6.24	7.51	8.07	5.55	5.54
10	5.74	8.10	10.83	8.06	11.53	17.16	20.95	6.39	7.36	8.14	5.55	5.38
11	5.71	8.07	10.64	7.91	13.44	16.82	20.82	7.80	7.34	7.28	5.51	5.28
12	5.70	8.03	9.94	7.77	13.44	16.37	20.59	7.50	7.81	6.86	5.46	5.22
13	5.65	8.00	9.62	7.69	12.85	15.61	20.09	6.92	7.65	6.68	5.41	5.20
14	5.66	7.81	9.38	7.62	12.65	14.44	19.13	6.61	8.01	6.26	5.40	5.30
15	5.64	7.83	9.50	7.46	12.51	12.72	17.36	6.47	7.93	6.08	5.37	5.82
16	5.64	10.19	9.52	6.98	12.33	11.17	14.56	6.47	7.81	5.98	5.34	6.65
17	5.66	11.35	9.12	6.73	11.95	10.17	11.88	6.49	7.77	5.92	5.40	6.53
18	5.76	11.54	8.37	6.65	11.55	9.54	9.96	6.51	7.17	5.84	5.84	6.21
19	6.45	11.76	8.06	6.61	10.95	9.10	8.47	7.80	6.62	5.79	5.62	5.84
20	7.74	10.77	7.95	6.64	10.07	8.92	7.63	15.07	6.37	5.75	5.63	5.51
21	7.47	10.60	7.87	6.73	9.34	8.63	7.29	14.47	6.20	5.75	5.58	5.35
22	6.92	10.89	7.83	6.91	9.35	10.13	7.11	12.17	5.95	5.73	5.41	5.30
23	6.35	11.77	7.74	7.11	10.05	12.26	7.02	11.06	5.83	5.70	5.33	5.25
24	6.07	13.61	7.36	7.68	9.96	12.73	7.31	10.47	5.77	5.67	5.31	5.21
25	6.27	13.26	7.03	8.24	9.48	12.58	7.27	9.94	5.80	5.65	5.27	5.16
26	6.41	12.70	6.87	8.40	9.29	12.31	7.02	11.27	5.78	5.64	5.23	5.10
27	6.19	13.97	6.83	8.34	8.98	12.03	6.86	11.27	6.04	5.56	5.20	5.08
28	6.83	14.73	6.80	8.23	8.63	11.72	6.74	10.12	6.92	5.54	5.17	5.07
29	7.02	14.21	6.77	7.99	---	11.19	6.59	9.31	6.26	5.57	5.15	5.05
30	7.18	13.70	6.73	7.71	---	13.88	6.53	8.17	5.86	5.54	5.27	5.03
31	7.70	---	6.70	7.61	---	16.23	---	7.23	---	5.50	5.67	---
MEAN	6.25	10.24	9.05	7.33	11.10	13.11	13.98	8.27	6.95	7.52	5.45	5.63
MAX	7.74	14.73	13.23	8.40	13.48	19.71	21.20	15.07	8.02	18.51	5.90	6.66
MIN	5.64	7.81	6.70	6.55	7.66	7.91	6.53	6.24	5.77	5.50	5.15	5.03
CAL YR 1980	MEAN	12.93	MAX	30.45	MIN	5.64						
WTR YR 1981	MEAN	8.72	MAX	21.20	MIN	5.03						

PEARL RIVER BASIN

02488700 WHITESAND CREEK NEAR OAK VALE, MS

LOCATION.--Lat 31°28'14", long 89°58'25", in SW¼ sec.24, T.6 N., R.20 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, near left bank on downstream side of bridge on State Highway 43, 1.2 mi (1.9 km) upstream from Illinois Central Railroad bridge, 2.3 mi (3.7 km) north of Oak Vale, and 3.7 mi (6.0 km) upstream from mouth.

DRAINAGE AREA.--130 mi² (337 km²).

PERIOD OF RECORD.--September 1965 to current year.

REVISED RECORDS.--WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 182.20 ft (55.535 m), Mississippi State Highway Department datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--16 years, 200 ft³/s (5.664 m³/s), 20.89 in/yr (531 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,400 ft³/s (719 m³/s) Apr. 13, 1974, gage height, 18.76 ft (5.718 m); minimum, 59 ft³/s (1.67 m³/s) Sept. 12-16, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 28, 29, 1961, reached a stage of 17.11 ft (5.215 m) from floodmark, discharge, 15,900 ft³/s (450 m³/s). Maximum stage known since at least 1879, 20½ ft (6¼ m) in April 1900, and flood in January 1925 reached a stage of 17.3 ft (5.27 m) from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,500 ft³/s (70.8 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 31	2215	2540 71.9	8.31 2.533	July 3	0400	*4920 139	10.73 3.271

Minimum discharge, 90 ft³/s (2.55 m³/s) Aug. 26, 27-29, 30; minimum gage height, 3.68 ft (1.122 m) all or parts of Sept. 8-14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	202	140	148	135	148	127	1610	126	114	120	100	111
2	155	135	144	135	240	126	711	122	148	2840	98	109
3	142	133	140	133	191	125	346	116	252	2800	98	126
4	135	133	137	133	160	1000	279	114	185	468	97	118
5	133	129	135	131	153	1200	268	116	146	197	97	111
6	131	127	137	133	279	1400	236	122	138	194	97	107
7	129	127	135	169	279	600	206	116	134	183	97	104
8	129	125	137	169	204	350	194	120	130	148	97	102
9	129	125	160	151	179	250	187	116	142	132	97	100
10	129	125	355	142	334	200	180	118	132	134	95	98
11	127	123	261	137	448	180	174	118	128	299	95	98
12	125	123	189	135	258	170	169	114	176	199	95	98
13	123	121	172	133	204	160	165	113	160	138	93	97
14	123	125	162	133	189	150	160	118	138	122	93	102
15	125	133	155	135	181	142	156	122	128	116	93	109
16	125	137	153	133	179	138	152	118	124	113	93	109
17	127	155	148	129	174	134	150	120	122	109	100	102
18	131	204	146	127	167	130	146	118	120	109	97	97
19	144	157	144	127	160	125	144	134	118	105	97	97
20	142	140	142	140	155	123	142	158	118	104	95	97
21	133	135	140	162	151	127	146	128	113	104	93	95
22	131	133	140	151	146	279	144	118	114	102	93	95
23	131	202	140	142	142	258	142	114	114	100	93	95
24	135	229	144	137	138	172	154	113	114	100	92	93
25	133	169	151	133	136	151	150	113	114	100	92	93
26	131	249	144	133	133	140	140	124	122	113	92	93
27	153	355	140	133	130	133	136	128	118	114	90	92
28	317	207	140	133	128	127	132	120	114	104	90	93
29	210	169	137	129	---	135	128	116	113	100	90	92
30	160	155	137	127	---	1310	126	113	111	102	126	93
31	146	---	137	127	---	1520	---	113	---	104	120	---
TOTAL	4486	4720	4850	4267	5386	11182	7173	3719	4000	9773	2995	3026
MEAN	145	157	156	138	192	361	239	120	133	315	96.6	101
MAX	317	355	355	169	448	1520	1610	158	252	2840	126	126
MIN	123	121	135	127	128	123	126	113	111	100	90	92
CFSM	1.12	1.21	1.20	1.06	1.48	2.78	1.84	.92	1.02	2.42	.74	.78
IN.	1.28	1.35	1.39	1.22	1.54	3.20	2.05	1.06	1.14	2.80	.86	.87

CAL YR 1980	TOTAL	121227	MEAN	331	MAX	10300	MIN	121	CFSM	2.55	IN	34.69
WTR YR 1981	TOTAL	65577	MEAN	180	MAX	2840	MIN	90	CFSM	1.39	IN	18.76

02489000 PEARL RIVER NEAR COLUMBIA, MS

LOCATION.--Lat 31°14'14", long 89°50'54", in E½ sec.7, T.3 N., R.18 W., St. Stephens Meridian, Marion County, Hydrologic Unit 03180004, on downstream side of bridge on U.S. Highway 98, 1.5 mi (2.4 km) southwest of Columbia, 2.0 mi (3.2 km) downstream from Fernwood, Columbia and Gulf Railroad bridge, 2.2 mi (3.5 km) upstream from Silver Creek and at mile 137.8 (221.7 km).

DRAINAGE AREA.--5,720 mi² (14,815 km²).

PERIOD OF RECORD.--August 1928 to September 1954 (monthly discharge only for January to July 1930, published in WSP 1304). January 1972 to current year (gage heights only). Gage height records collected at same site November 1904 to December 1971 are contained in reports of National Weather Service.

GAGE.--Nonrecording gage. Datum of gage is 115.81 ft (35.299 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to August 1928, nonrecording gages at various sites and datums in the vicinity maintained by National Weather Service. August 1928 to May 26, 1934, nonrecording gage at site 1.0 mi (1.6 km) downstream at datum 0.37 ft (0.113 m) higher. May 26, 1934, to September 1954, water-stage recorder at present site and datum.

REMARKS.--Records furnished by National Weather Service.

AVERAGE DISCHARGE.--26 years (1928-54), 7,384 ft³/s (209 m³/s), 17.62 in/yr (448 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--1928-1954: Maximum discharge, 72,600 ft³/s (2,060 m³/s) Apr. 9, 1938, gage height, 26.40 ft (8.047 m); minimum, 705 ft³/s (20.0 m³/s) Oct. 21, 1952, gage height 0.81 ft (0.247 m). 1904 to current year: Maximum observed gage height, 27.8 ft (8.47 m) Apr. 22, 1979.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1874 reached a stage of about 31 ft (9.4 m), from information by National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum observed gage height, 16.2 ft (4.94 m) Apr. 9, 10, minimum observed, 2.60 ft (0.79 m) Sept. 30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.20	4.80	10.80	4.30	5.20	6.40	13.40	3.50	4.50	3.00	3.00	3.90
2	5.10	5.50	10.30	4.30	6.10	6.00	15.10	3.50	4.00	3.80	2.90	3.40
3	4.70	5.60	9.90	4.20	6.60	5.60	14.70	3.40	4.20	11.00	2.90	3.70
4	4.50	5.60	9.40	4.20	8.50	6.10	14.80	3.30	5.20	15.30	3.10	4.10
5	4.20	5.60	8.60	4.10	8.70	10.00	15.00	3.20	5.70	14.30	3.00	4.00
6	4.00	5.50	7.90	4.10	8.80	14.50	15.00	3.20	5.10	11.50	2.90	4.00
7	3.30	5.50	7.60	4.30	10.10	15.50	15.40	3.20	4.70	8.70	3.00	4.20
8	3.20	5.50	7.40	4.50	10.60	15.30	15.90	3.10	4.90	7.00	3.30	3.90
9	3.20	5.40	7.10	4.80	10.30	14.50	16.20	3.10	4.90	5.60	3.10	3.60
10	3.20	5.40	8.10	5.40	9.70	14.00	16.20	3.20	4.70	5.30	2.90	3.20
11	3.20	5.40	8.90	5.50	10.40	13.50	16.10	3.10	4.40	5.80	2.90	3.00
12	3.20	5.40	8.50	5.30	11.00	13.30	16.00	4.00	4.30	6.10	2.90	2.90
13	3.10	5.30	7.70	5.30	10.70	12.90	15.80	4.40	5.30	4.80	2.90	2.80
14	3.10	5.30	7.30	5.20	10.00	12.40	15.60	3.90	4.90	4.40	2.80	3.00
15	3.10	5.40	7.00	5.10	9.90	11.50	15.00	3.60	4.90	3.90	2.80	3.10
16	3.10	5.10	7.00	5.10	9.80	10.20	13.80	3.40	5.20	3.60	2.80	3.80
17	3.10	6.80	7.00	4.70	9.90	8.80	11.50	3.30	5.10	3.40	2.90	4.00
18	3.20	8.40	6.80	4.20	9.30	7.80	9.10	3.30	5.00	3.30	2.90	4.10
19	3.50	8.90	6.20	4.20	8.90	7.20	7.40	3.20	4.70	3.20	3.50	3.80
20	3.70	8.90	5.70	4.20	8.50	6.70	6.00	3.40	4.20	3.10	3.40	3.50
21	4.70	8.10	5.60	4.30	7.70	6.50	5.20	10.20	3.50	3.00	3.10	3.20
22	5.00	7.80	5.40	4.40	7.00	6.80	4.60	10.20	3.40	2.90	3.10	3.00
23	4.50	8.30	5.40	4.50	6.80	8.30	4.40	9.60	3.20	2.90	3.00	2.90
24	4.20	9.00	5.40	4.60	7.30	9.60	4.30	8.10	3.10	2.90	2.90	2.90
25	3.80	10.40	5.20	5.00	7.50	10.00	4.50	7.10	3.00	3.20	2.80	2.80
26	3.60	10.40	4.90	5.50	7.00	9.80	4.50	6.80	3.00	3.10	2.80	2.80
27	3.60	10.80	4.60	6.00	6.90	9.30	4.20	6.10	3.10	3.20	2.70	2.70
28	6.30	11.00	4.40	5.80	7.20	9.00	3.90	8.20	3.00	3.20	2.70	2.70
29	6.70	11.50	4.40	5.80	---	8.70	3.90	7.00	3.50	3.20	2.70	2.70
30	5.10	11.10	4.30	5.70	---	9.80	3.70	6.40	3.60	3.30	2.80	2.60
31	4.80	---	4.30	5.40	---	13.00	---	5.40	---	3.00	2.80	---
MEAN	4.04	7.26	6.87	4.84	8.59	10.10	10.71	5.01	4.28	5.19	2.95	3.34
MAX	6.70	11.50	10.80	6.00	11.00	15.50	16.20	10.20	5.70	15.30	3.50	4.20
MIN	3.10	4.80	4.30	4.10	5.20	5.60	3.70	3.10	3.00	2.90	2.70	2.60

WTR YR 1981 MEAN 6.07 MAX 16.20 MIN 2.60

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA

LOCATION.--Lat 30°47'35", long 89°49'15", on line between secs.17 and 18, T.3 S., R.14 E., Washington Parish, Hydrologic Unit 03180004, near right bank on downstream side of bridge on State Highway 10, 2.0 mi (3.2 km) east of Bogalusa, and 2.0 mi (3.2 km) upstream from Bogue Lusa Creek.

DRAINAGE AREA.--6,573 mi² (17,024 km²).

PERIOD OF RECORD.--October 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 55.00 ft (16.764 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 29, 1954, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records good.

AVERAGE DISCHARGE.--43 years, 9,671 ft³/s (273.9 m³/s), 19.98 in/yr (507 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 129,000 ft³/s (3,650 m³/s) Apr. 24, 1978, gage height, 23.23 ft (7.081 m); minimum, 1,020 ft³/s (28.9 m³/s) Oct. 29 to Nov. 1, 1963; minimum gage height, 4.84 ft (1.475 m) Oct. 30, 31, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 11, 1938, reached a stage of 21.0 ft (6.40 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 27,800 ft³/s (787 m³/s) Apr. 11, 12, gage height, 18.96 ft (5.779 m); minimum, 1,620 ft³/s (45.9 m³/s) Oct. 17; minimum gage height, 7.04 ft (2.146 m) Aug. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2870	2940	10700	2840	3560	5110	16400	3160	4200	2570	2190	1880
2	3260	2840	10000	2820	3930	4840	18000	3050	3640	2600	2060	2290
3	3070	3090	9360	2800	4940	4550	20100	2940	4250	3680	2000	2380
4	2740	3210	8740	2780	5210	4360	21100	2860	4650	16300	2090	2840
5	2490	3180	7940	2770	6450	5180	21500	2840	4520	16600	2130	2980
6	2350	3160	6870	2760	8280	10300	22000	2860	4290	18200	2020	2760
7	2250	3140	6020	2820	10100	16400	22500	2870	4090	13900	1930	2530
8	1810	3130	5550	3020	10300	19600	24000	2810	3900	9050	2020	2510
9	1780	3130	5220	3180	10200	20700	25500	2750	3850	6160	2140	2410
10	1760	3120	5300	3210	13100	19900	26500	2740	3730	4650	2030	2230
11	1740	3080	6860	3420	21300	18300	27600	2730	3650	4160	1910	2060
12	1720	3030	7490	3550	18300	17000	27800	2680	3820	4450	1870	1910
13	1690	3000	6730	3530	14100	16000	27700	2930	3710	4430	1900	1820
14	1660	2980	5780	3450	11700	15200	27100	3230	3950	3700	1900	1780
15	1640	2990	5220	3400	10300	13900	26100	3070	3830	3270	1920	1880
16	1630	3070	4920	3370	9860	12100	24400	2900	3730	2950	1940	2180
17	1630	3100	4840	3320	10400	9840	20000	2800	3700	2710	2110	2390
18	1690	4150	4790	3150	9860	7870	14400	2740	3580	2550	2110	2430
19	2190	5600	4560	2960	8910	6700	9740	2690	3550	2470	2090	2440
20	2710	6400	4150	2900	8160	5950	7100	2680	3330	2390	2230	2330
21	2280	6450	3800	2920	7400	5450	5630	3400	3000	2300	2150	2190
22	2380	5730	3630	3020	6660	5770	4750	8030	2770	2230	1970	2060
23	2680	5780	3560	3050	5990	7280	4300	9300	2620	2180	1930	1990
24	2590	6770	3530	3020	5710	8320	4110	7600	2610	2140	1950	1790
25	2290	7690	3550	3060	5960	8960	3950	6420	2720	2100	1860	1750
26	2180	9360	3490	3230	5950	9110	3910	6050	2560	2080	1780	1700
27	2010	11600	3260	3540	5590	8840	3800	5950	2510	2050	1720	1670
28	2770	12000	3070	3730	5340	8520	3580	6480	2420	2040	1690	1640
29	4840	11400	2980	3770	---	8250	3420	6590	2360	2090	1690	1610
30	4940	11400	2910	3750	---	9900	3280	5610	2520	2290	1790	1580
31	3500	---	2870	3650	---	13400	---	4890	---	2380	1900	---
TOTAL	75140	156520	167690	98790	247560	327600	470270	127650	104060	144670	61010	64010
MEAN	2424	5217	5409	3187	8841	10570	15680	4118	3469	4667	1968	2134
MAX	4940	12000	10700	3770	21300	20700	27800	9300	4650	18200	2230	2980
MIN	1630	2840	2870	2760	3560	4360	3280	2680	2360	2040	1690	1580
CFSM	.37	.79	.82	.49	1.35	1.61	2.39	.63	.53	.71	.30	.33
IN.	.43	.89	.95	.56	1.40	1.85	2.66	.72	.59	.82	.35	.36

CAL YR 1980 TOTAL 6206620 MEAN 16960 MAX 104000 MIN 1630 CFSM 2.58 IN 35.13
WTR YR 1981 TOTAL 2044970 MEAN 5603 MAX 27800 MIN 1580 CFSM .85 IN 11.57

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS

LOCATION.--Lat 31°10'37", long 90°16'48", in SE¼ sec.34, T.3 N., R.9 E., Washington Meridian, Pike County, Hydrologic Unit 03180005, near right bank on downstream side of bridge on U.S. Highway 98, 0.2 mi (0.3 km) upstream from Fernwood, Columbia and Gulf Railroad bridge, 0.2 mi (0.3 km) upstream from Bars Branch, 2.2 mi (3.5 km) downstream from Topisaw Creek, and 9.2 mi (14.8 km) northwest of Tylertown.

DRAINAGE AREA.--492 mi² (1,270 km²).

PERIOD OF RECORD.--August 1944 to current year.

REVISED RECORDS.--WSP 1504: 1945(P), 1946(M), 1947-51, 1953. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft (69.312 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--37 years, 797 ft³/s (22.57 m³/s), 22.00 in/yr (559 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45,700 ft³/s (1,290 m³/s) Jan. 7, 1950, gage height, 33.50 ft (10.211 m); minimum, 175 ft³/s (4.96 m³/s) Oct. 31, 1963; minimum gage height, 6.08 ft (1.853 m), part of each day Oct. 13-22, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in February 1936 reached a stage 1.2 ft (0.37 m) higher than the flood of Jan. 7, 1950, at the railroad bridge, 0.2 mi (0.3 km) downstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,810 ft³/s (108 m³/s) Apr. 1, gage height, 12.58 ft (3.83 m), no peak above base of 6,000 ft³/s (170 m³/s); minimum, 217 ft³/s (6.15 m³/s) part of each day, Aug. 27-29, gage height, 5.97 ft (1.82 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	412	376	448	369	425	369	2990	315	364	307	246	312
2	376	353	418	366	501	366	2820	310	349	1780	237	299
3	329	342	394	361	578	361	1360	304	754	2490	237	323
4	308	334	382	361	553	648	846	302	546	2340	253	335
5	301	326	373	358	484	2300	686	317	418	2710	302	307
6	298	324	370	361	625	2670	603	343	498	1220	248	286
7	298	321	364	406	1020	3460	553	443	450	935	239	257
8	298	321	361	443	1110	1630	494	378	518	610	237	244
9	298	321	498	434	718	786	457	332	403	471	235	239
10	298	321	2070	394	945	637	431	335	358	403	231	235
11	301	318	1850	378	1710	556	412	329	346	364	228	231
12	298	316	1370	372	1560	511	397	317	358	340	228	231
13	296	316	738	366	920	477	384	310	607	323	231	246
14	298	318	592	369	694	454	372	312	1120	310	226	320
15	296	337	525	369	600	437	364	310	671	299	228	525
16	298	350	484	369	556	440	355	317	415	291	233	443
17	298	364	454	364	528	415	349	320	358	284	242	415
18	324	361	434	361	539	406	349	315	332	276	237	323
19	361	406	421	366	532	387	340	315	312	271	302	271
20	364	364	409	387	488	378	335	304	302	264	259	253
21	345	345	400	406	457	381	332	307	291	259	237	246
22	321	342	397	415	437	622	326	302	284	253	231	244
23	316	535	394	403	421	1110	326	297	286	250	226	242
24	313	1020	400	390	406	837	343	294	352	246	226	239
25	308	1060	400	384	394	567	515	302	714	242	224	237
26	306	852	394	384	384	477	428	366	766	242	222	235
27	324	1140	387	381	375	437	349	1090	564	237	220	235
28	2240	1150	384	384	372	412	326	1510	415	235	220	233
29	1090	687	378	381	---	440	320	1220	332	278	222	233
30	683	511	375	381	---	1920	317	494	302	326	259	231
31	433	---	372	378	---	2040	---	384	---	255	276	---
TOTAL	13029	14461	17236	11841	18332	26931	18479	13094	13785	19111	7442	8470
MEAN	420	462	556	382	655	869	616	422	460	616	240	282
MAX	2240	1150	2070	443	1710	3460	2990	1510	1120	2710	302	525
MIN	296	316	361	358	372	361	317	294	284	235	220	231
CF5M	.85	.98	1.13	.78	1.33	1.77	1.25	.86	.94	1.25	.49	.57
IN.	.99	1.09	1.30	.90	1.39	2.04	1.40	.99	1.04	1.44	.56	.64
CAL YR 1980	TOTAL	429914	MEAN	1175	MAX	22100	MIN	293	CF5M	2.39	IN	32.51
WTR YR 1981	TOTAL	182211	MEAN	499	MAX	3460	MIN	220	CF5M	1.01	IN	13.78

OHIO RIVER BASIN
TENNESSEE RIVER BASIN
TENNESSEE RIVER MAIN STEM

03589500 TENNESSEE RIVER AT FLORENCE, AL

LOCATION.--Lat 34°47'13", long 87°40'12", in SW¼ sec. 14, T. 3 S., R. 11 W., Lauderdale County, Hydrologic Unit 06030005, on right bank at lower end of Patton Island, 137 ft (41.8 m) upstream from Southern Railway bridge, 700 ft (213 m) upstream from O'Neal Bridge on U.S. Highway 72, 1.1 mi (1.8 km) south of Florence Post Office, 1.7 mi (2.7 km) upstream from Cypress Creek, 2.7 mi (4.3 km) downstream from Wilson Dam, and at mile 256.7 (413.0 km).

DRAINAGE AREA.--30,810 mi², approximately, (79,798 km²).

PERIOD OF RECORD.--November 1871 to September 1894 (gage heights only), October 1894 to current year.

REVISED RECORD.--WSP 473: 1897(M). WSP 1306: 1914(M), 1936 (monthly runoff). WSP 1436: 1897, 1899, 1916.

GAGE.--Water-stage recorder. Datum of gage is 401.12 ft (122.261 m) National Geodetic Vertical Datum of 1929. Prior to Apr. 1, 1926, several National Weather Service staff gages at or near Southern Railway bridge 137 ft (41.8 m) downstream at same datum. Apr. 1, 1926, to Mar. 11, 1958, water-stage recorder on left bank at lower end of old lock and dam, 1,400 ft (427 m) upstream at same datum. Since Oct. 1, 1938, auxiliary water-stage recorder 15.2 mi (24.5 km) downstream.

REMARKS.--Water-discharge records good except those below 25,000 ft³/s (708 m³/s), which are fair. Slight regulation since 1924 by Wilson Lake and increasing regulation since 1936 as other reservoirs have been built above station. Flow now almost completely regulated.

AVERAGE DISCHARGE.--87 years, 51,780 ft³/s (1,466 m³/s), 22.82 in/yr (579.63 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 530,000 ft³/s (15,000 m³/s) Mar. 17, 1973 (gage height, 30.03 ft (9.153 m), maximum gage height, 32.5 ft (9.91 m) Mar. 19, 1897; minimum daily, 105 ft³/s (2.97 m³/s) Sept. 7, 1969 (computed on basis of Wilson Dam records), minimum gage height, -0.30 ft (-0.914 m) Oct. 8, 1925, caused by filling of Wilson Lake.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1867 reached a stage of 31.1 ft (9.48 m), from National Weather Service records, discharge, 421,000 ft³/s (11,900 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 99,200 ft³/s (2,809 m³/s) Feb. 4, maximum gage height, 12.15 ft (3.703 m) Feb. 4; minimum daily, 7,100 ft³/s (201 m³/s) May 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41000	25300	35600	27000	34000	34900	46500	17400	51100	27500	27800	39200
2	31300	26600	32600	25700	47500	38700	59700	14700	56600	22900	28300	45000
3	28600	32100	33700	25800	66000	39800	51700	17400	53500	23600	32500	40100
4	19400	30600	32400	21300	66600	41000	34200	14100	51100	26200	32600	33200
5	24900	36900	29800	28900	54300	53500	50100	15000	51800	25300	37400	26200
6	27600	29500	30400	25200	45900	44000	56900	15100	63200	30900	33200	23900
7	19200	28200	30000	24300	34800	32600	39300	9700	54900	39400	30000	26800
8	27300	27800	32800	27100	35100	31100	35800	6200	58300	39000	27100	34500
9	26700	28200	33500	28100	33500	29400	37900	10000	60800	43700	26100	33500
10	29000	27500	33900	26600	49400	29800	38300	12000	54100	30100	34900	28100
11	27000	27000	43200	25700	64700	30900	42900	16000	59500	31300	33500	23800
12	16000	27600	40200	25600	67500	29300	38700	13000	51800	29400	39700	26300
13	16200	29300	43500	26700	57500	29500	48800	12000	56800	37400	38500	21600
14	16300	30600	34200	27300	58300	36300	41300	10700	49600	42900	44400	30800
15	19100	28100	32000	28400	53200	33300	38900	9800	54200	31400	31700	31900
16	18100	29500	34300	27200	57300	33300	15900	8900	53900	34000	31000	30900
17	16300	38700	34000	29600	59200	33000	15400	7100	47300	25900	33100	38200
18	18000	56000	32700	28700	35800	25400	13300	22000	46400	32300	31500	30700
19	26600	44000	26100	26400	48800	25600	12600	16700	19500	31300	33200	18400
20	18600	41800	34900	27700	54300	24800	14100	20000	21200	36200	43700	19400
21	25900	37000	28100	28000	54600	24600	14000	9000	20600	33900	27300	34800
22	26300	26600	31700	28800	52400	17700	18300	18000	29500	24600	22100	35600
23	17600	29200	27400	29800	56400	18100	26900	12000	35500	25900	24400	32200
24	25000	33500	27700	26900	44500	17100	31000	11000	32800	25900	39700	30100
25	25800	50600	26400	28700	38100	15800	21200	8700	29600	26600	41200	21100
26	17800	45200	24700	29200	35100	10900	26600	25000	26800	21300	37300	19000
27	20400	44200	25100	29800	36900	15400	28900	14000	20800	35300	31600	19400
28	30500	51100	25300	30100	31900	17000	23400	23000	21000	32600	29800	32500
29	32600	42100	26200	29700	---	13600	16900	20000	37100	36500	25700	29000
30	34400	30300	25500	31800	---	27200	17000	10000	32700	32900	30900	27800
31	30300	---	26200	28700	---	42400	---	13000	---	28200	43100	---
TOTAL	753800	1035100	974100	854800	1376600	896000	956500	431500	1302000	964400	1023300	884000
MEAN	24320	34500	31420	27570	49160	28900	31880	13920	43400	31110	33010	29470
MAX	41000	56000	43500	31800	67500	53500	59700	25000	63200	43700	44400	45000
MIN	16000	25300	24700	21300	31900	10900	12600	6200	19500	21300	22100	18400
CFSM	.79	1.12	1.02	.90	1.60	.94	1.04	.45	1.41	1.01	1.07	.96
IN.	.91	1.25	1.18	1.03	1.66	1.08	1.15	.52	1.57	1.16	1.24	1.07
CAL YR 1980	TOTAL	20037500	MEAN	54750	MAX	321000	MIN	16000	CFSM	1.78	IN	24.19
WTR YR 1981	TOTAL	11452100	MEAN	31380	MAX	67500	MIN	6200	CFSM	1.02	IN	13.83

03592000 BEAR CREEK NEAR RED BAY, AL

LOCATION.--Lat 34°26'38", long 88°06'56", in NE¼ sec. 21, T. 7 S., R. 15 W., Franklin County, Hydrologic Unit 06030006, on left bank 185 ft (56 m) upstream from bridge on State Highway 24, 108 ft (73 m) shoreward from top of bank, 1.8 mi (2.9 km) east of Red Bay, and at mile 61.9 (99.6 km).

DRAINAGE AREA.--263 mi² (681 km²).

PERIOD OF RECORD.--August 1913 to May 1920, July 1958 to September 1967. October 1967 to September 1968 (annual maximum only). March 1969 to September 30, 1981. (Discontinued) Prior to October 1918 monthly discharge only, published in WSP 1306.

REVISED RECORDS.--WSP 1306: 1920(M). WSP 1726: 1920 (corrected monthly means).

GAGE.--Water-stage recorder. Datum of gage is 506.42 ft (154.357 m) above National Geodetic Vertical Datum, levels by Tennessee Valley Authority. August 1913 to May 1920, nonrecording gage at site 0.7 mi (1.1 km) upstream at various datums. July 1, 1958, to Oct. 27, 1959, nonrecording gage, Oct. 28, 1959, to Sept. 30, 1967, water-stage recorder at site 185 ft (56 m) downstream at present datum.

REMARKS.--Records good. Flow partially regulated by Bear Creek Dam 12.5 mi (20.1 km) upstream since Mar. 14, 1967. Records of specific conductance and water temperatures for the water year 1979 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--27 years (water years 1913-19, 1958-67, 1970-81), 490 ft³/s (13.88 m³/s), 25.30 in/yr (643 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,800 ft³/s (986 m³/s) Mar. 17, 1973, gage height, 17.62 ft (5.371 m); minimum daily discharge, 10 ft³/s (0.28 m³/s) Aug. 15-17, Sept. 17, 1918.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 1,740 ft³/s (45.3 m³/s) Mar. 31, gage height 11.47 ft (3.496 m), no peak above base of 4,000 ft³/s (113 m³/s); minimum daily discharge, 28 ft³/s (0.79 m³/s) Oct. 16, 17, 19.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	842	108	678	129	371	236	1700	155	87	322	35	492
2	558	107	238	138	595	232	1660	155	112	538	35	462
3	116	106	218	162	966	232	1470	141	236	849	35	168
4	168	106	216	126	1180	272	844	92	238	796	34	145
5	170	106	369	116	686	392	910	90	223	807	34	82
6	159	106	704	73	741	771	1120	89	170	974	34	79
7	75	167	678	77	727	765	1240	117	170	1020	35	78
8	61	354	462	72	570	712	1020	188	152	422	80	78
9	84	348	82	80	304	622	662	90	90	285	78	78
10	65	345	79	116	362	525	597	87	88	170	73	77
11	435	337	72	117	508	371	473	98	94	167	63	77
12	467	350	105	116	963	366	470	135	128	165	41	77
13	324	769	686	116	923	345	404	92	229	150	34	77
14	37	757	675	117	607	241	262	89	239	85	34	76
15	29	656	455	117	592	241	256	87	279	82	34	44
16	28	165	84	117	590	241	251	86	422	81	34	225
17	28	249	78	117	528	241	243	99	281	80	35	763
18	30	333	77	116	422	243	179	95	156	80	46	563
19	28	628	105	116	422	243	176	82	89	80	183	161
20	30	753	440	117	420	212	225	272	88	80	476	158
21	44	743	360	126	420	168	354	194	85	85	318	142
22	46	725	307	247	425	196	366	94	92	82	649	83
23	46	549	174	247	465	253	247	90	132	81	903	89
24	49	241	135	247	492	427	264	86	83	80	635	138
25	54	686	131	218	167	377	309	87	77	46	320	126
26	50	697	131	173	610	304	307	117	108	40	291	78
27	60	592	131	251	373	298	245	272	239	39	236	77
28	99	440	131	238	277	298	112	238	239	36	210	76
29	109	727	155	201	---	302	155	200	201	36	161	57
30	106	725	230	201	---	686	156	93	141	36	176	36
31	107	---	205	184	---	1680	---	88	---	35	283	---
TOTAL	4558	12975	8591	4588	15706	12492	16677	3898	4968	7829	5635	4862
MEAN	147	433	277	148	561	403	556	126	166	253	182	162
MAX	842	769	704	251	1180	1680	1700	272	422	1020	903	763
MIN	28	106	72	72	167	168	112	82	77	35	34	36
CFSM	.56	1.65	1.05	.56	2.13	1.53	2.11	.48	.63	.96	.69	.62
IN.	.64	1.84	1.22	.65	2.22	1.77	2.36	.55	.70	1.11	.80	.69

CAL YR 1980 TOTAL 214656 MEAN 586 MAX 3960 MIN 21 CFSM 2.23 IN 30.36
WTR YR 1981 TOTAL 102779 MEAN 282 MAX 1700 MIN 28 CFSM 1.07 IN 14.54

TENNESSEE RIVER BASIN

03592718 LITTLE YELLOW CREEK EAST NEAR BURNSVILLE, MS

LOCATION.--Lat 34°50'01", long 88°17'08", in SE¼ sec.7, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, near left bank at bridge on county road 0.2 mi (0.3 km) northeast of Walkers Siding and 2.0 mi (3.2 km) east of Burnsville.

DRAINAGE AREA.--24.7 mi² (64.0 km²), Tennessee Valley Authority.

PERIOD OF RECORD.--May 1973 to current year.

REVISED RECORDS.--WDR MS-78-1: 1973(M), 1976(M).

GAGE.--Water-stage recorder. Altitude of gage is 440 ft or 134 m (from topographic map).

REMARKS.--Records good.

AVERAGE DISCHARGE.--8 years, 45.9 ft³/s (1.300 m³/s), 25.24 in/yr (641 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,310 ft³/s (93.7 m³/s) May 8, 1978, gage height, 19.19 ft (5.849 m); minimum, 2.8 ft³/s (0.079 m³/s) Aug. 25, 1977, gage height, 6.04 ft (1.841 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 3,180 ft³/s (90.1 m³/s), gage height, 19.12 ft (5.828 m) was measured Mar. 16, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 583 ft³/s (16.5 m³/s) Feb. 1, gage height, 15.79 ft (4.813 m), no peak above base of 700 ft³/s (19.8 m³/s); minimum, 3.6 ft³/s (0.10 m³/s) Sept. 30; minimum gage height, 6.31 ft (1.923 m) Oct. 13.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	14	17	13	308	31	35	10	16	6.5	5.4	6.3
2	11	13	16	12	197	23	26	8.8	37	11	5.5	16
3	8.8	13	15	12	56	18	22	9.4	24	8.6	5.3	11
4	7.9	13	14	12	39	114	26	8.2	24	7.2	4.9	7.5
5	7.5	13	15	11	29	79	44	7.5	29	45	4.7	5.6
6	7.2	13	15	13	27	42	23	7.5	30	37	4.8	4.8
7	7.0	13	15	23	25	31	20	7.5	51	11	5.8	4.5
8	7.2	14	16	14	30	25	18	7.2	19	8.2	5.1	4.4
9	7.2	15	21	12	23	22	75	7.0	13	7.2	4.5	4.2
10	7.2	15	19	11	79	22	45	28	12	6.9	4.4	4.1
11	6.7	14	16	10	55	19	28	14	11	9.1	4.6	4.0
12	6.2	14	16	13	26	18	23	10	22	7.3	4.5	4.0
13	6.2	14	15	12	24	18	19	8.8	12	6.2	4.3	3.9
14	6.8	32	14	12	24	18	16	8.0	11	5.8	4.2	4.0
15	6.9	48	14	12	25	18	14	7.7	9.2	5.4	4.1	4.3
16	7.3	23	14	11	45	26	13	7.0	8.2	5.6	4.2	5.0
17	8.2	250	13	9.4	118	19	13	70	7.6	5.4	4.5	4.4
18	12	100	13	9.5	62	24	14	39	7.2	5.7	7.5	4.1
19	10	26	13	9.9	48	26	15	19	11	5.3	15	4.0
20	13	19	12	24	36	19	63	13	9.9	5.0	22	4.0
21	9.1	18	12	43	28	17	36	12	8.5	12	13	4.0
22	8.9	16	12	18	30	55	17	10	6.9	7.2	7.0	4.2
23	9.2	19	12	15	25	41	62	9.4	6.7	5.5	6.0	4.2
24	11	19	23	13	22	25	37	8.9	6.3	5.4	5.5	3.8
25	14	16	17	12	20	21	21	14	6.0	44	5.0	3.8
26	12	19	15	12	19	19	14	28	6.3	14	4.8	4.0
27	52	84	14	27	19	17	11	23	6.2	6.8	4.7	4.1
28	71	28	13	16	19	16	10	13	5.9	5.8	4.9	4.2
29	18	19	13	13	---	21	23	12	5.8	6.8	5.9	3.9
30	14	17	13	12	---	126	14	9.9	5.7	6.2	6.9	3.8
31	13	---	13	11	---	46	---	13	---	5.7	5.9	---
TOTAL	400.5	931	460	447.8	1458	1016	797	450.8	428.4	328.8	194.9	150.1
MEAN	12.9	31.0	14.8	14.4	52.1	32.8	26.6	14.5	14.3	10.6	6.29	5.00
MAX	71	250	23	43	308	126	75	70	51	45	22	16
MIN	6.2	13	12	9.4	19	16	10	7.0	5.7	5.0	4.1	3.8
CFSM	.52	1.26	.60	.58	2.11	1.33	1.08	.59	.58	.43	.26	.20
IN.	.60	1.40	.69	.67	2.20	1.53	1.20	.68	.65	.50	.29	.23

CAL YR 1980 TOTAL 16144.2 MEAN 44.1 MAX 1550 MIN 4.4 CFSM 1.79 IN 24.31
WTR YR 1981 TOTAL 7063.3 MEAN 19.4 MAX 308 MIN 3.8 CFSM .79 IN 10.64

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS

LOCATION.--Lat 34°54'51", long 88°14'48", in SE¼ sec.9, T.2 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, at northern end of Tennessee-Tombigbee Waterway, near bridge on State Highway 25, 0.9 mi (1.4 km) southeast of Cross Roads.

WATER-STAGE RECORDS

PERIOD OF RECORD.--December 1980 to September 1981 (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 400.00 ft (121.92 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

EXTREMES FOR CURRENT PERIOD.--December 1980 to September 1981: Maximum gage height, 14.47 ft (4.410 m) June 3; minimum, 8.26 ft (2.518 m) Dec. 11.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	9.64	---	8.96	---	13.81	13.71	13.98	12.42	12.06
2			---	9.75	---	8.81	12.85	13.78	13.77	14.19	12.17	12.34
3			---	9.89	---	8.76	13.02	13.85	13.91	13.94	12.12	12.51
4			---	10.02	---	8.84	13.10	13.96	13.96	13.69	12.32	12.34
5			---	10.10	---	8.65	13.17	13.83	13.71	13.41	12.43	12.15
6			---	10.18	---	---	13.37	13.79	13.30	13.28	12.66	12.21
7			---	10.27	8.96	---	13.23	13.86	13.78	13.45	12.59	12.25
8			---	10.29	9.03	---	12.60	13.82	13.53	13.42	12.31	11.94
9			---	10.30	9.26	---	12.24	13.69	13.76	13.35	12.07	11.90
10			8.66	10.43	9.13	---	12.16	13.65	13.68	13.26	12.01	11.86
11			8.55	10.42	8.64	---	12.22	13.73	13.70	12.87	12.11	11.83
12			8.63	10.23	8.73	---	12.49	13.78	13.73	12.64	12.12	11.62
13			8.61	9.94	8.73	---	12.69	13.86	13.89	---	12.29	11.55
14			8.75	9.72	8.41	---	12.76	13.75	13.78	---	12.17	11.64
15			8.75	9.52	8.41	---	12.84	13.63	13.67	---	12.07	11.67
16			8.92	9.39	8.53	---	12.84	13.51	13.69	13.29	11.91	11.57
17			8.94	9.10	8.94	---	12.88	13.58	13.88	13.31	12.12	11.27
18			9.00	9.20	8.70	---	13.08	13.66	13.93	12.96	12.46	11.21
19			9.17	9.50	8.96	---	13.30	13.76	13.96	12.55	12.54	11.22
20			9.06	9.33	9.27	---	13.56	13.92	13.97	12.35	12.93	11.23
21			9.15	9.28	9.70	---	13.74	13.89	13.91	12.66	13.15	11.25
22			9.05	9.22	10.08	---	13.77	13.85	13.86	12.76	12.63	11.29
23			9.14	9.23	10.06	---	13.74	13.91	13.74	12.90	11.97	11.41
24			9.15	9.19	10.13	---	13.93	13.99	13.89	13.04	11.61	11.43
25			9.20	8.92	9.92	---	13.92	14.03	13.89	12.98	11.44	11.39
26			9.18	---	9.86	---	14.18	14.04	14.02	12.64	11.66	11.38
27			9.18	---	9.46	---	14.13	13.73	13.94	12.27	11.84	11.19
28			9.21	---	9.26	---	14.10	13.65	13.83	12.47	11.84	11.15
29			9.32	---	---	---	14.06	13.76	13.64	12.55	11.84	11.14
30			9.40	---	---	---	13.94	13.58	13.70	12.66	11.98	11.12
31			9.41	---	---	---	---	13.61	---	12.62	11.95	---
MEAN	---	---	---	---	---	---	---	13.78	13.79	---	12.18	11.64
MAX	---	---	---	---	---	---	---	14.04	14.02	---	13.15	12.51
MIN	---	---	---	---	---	---	---	13.51	13.30	---	11.44	11.12

TENNESSEE RIVER BASIN

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS

LOCATION.--Lat 34°54'51", long 88°14'48", in SE¼ sec.9, T.2 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, at northern end of Tennessee-Tombigbee Waterway, near bridge on State Highway 25, 0.9 mi (1.4 km) southeast of Cross Roads. Water-quality monitor intake at south bank of canal 400 ft (120 m) east of bridge.

PERIOD OF RECORD.--Water years 1980 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1980 to current year.
pH: April 1980 to current year.
WATER TEMPERATURE: April 1980 to current year.
TURBIDITY: April 1980 to current year.
DISSOLVED OXYGEN: April 1980 to current year.
SUSPENDED SEDIMENT CONCENTRATION: October 1980 to current year.

INSTRUMENTATION.--Water-quality monitor since April 1980. Automatic pumping sediment sampler since October 1980.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 93 micromhos July 23, Sept. 24, 1980; minimum, 34 micromhos Apr. 1, 1980.
pH: Maximum, 7.7 units Aug. 20, 1980; minimum, 5.4 units Apr. 15, 16, 1980.
WATER TEMPERATURE: Maximum, 33.0°C July 15, 1980.
TURBIDITY: Maximum, 550 NTU June 17, Aug. 29, 1980; minimum, 22 NTU July 16, 1980.
DISSOLVED OXYGEN: Maximum, 10.1 mg/L Apr. 15-17, 1980; minimum, 2.1 mg/L July 22, 1980.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 148 micromhos June 27; minimum, 41 micromhos Jan. 21-22.
pH: Maximum, 8.5 units June 27; minimum, 6.1 units Mar. 24.
WATER TEMPERATURE: Maximum, 33.5°C July 14; minimum, 2.5°C Jan. 17.
TURBIDITY: Maximum, 450 NTU Oct. 14, 16, 22, 24; minimum, 10 NTU July 14.
DISSOLVED OXYGEN: Maximum, 13.5 mg/L Jan. 6; minimum, 2.0 mg/L July 18.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 70 mg/L Nov. 21, Feb. 9, 12; minimum daily mean, 2 mg/L Jan. 10.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY LAB (MG/L AS CAC03)
OCT 14...	1200	123	7.1	18.0	80	45	8.2	19	62	3.0	1.9	18
JAN 14...	1100	52	7.0	3.5	20	4.3	13.0	<10	K1	1.7	.8	15
APR 07...	1100	64	7.0	17.0	25	16	9.1	20	82	2.1	1.3	20
JUL 08...	1100	109	7.0	28.0	11	16	5.3	29	140	2.7	1.7	35

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)
OCT 14...	.1	14	80	.11	.07	.110	.13	.17	.28	.35	1.6
JAN 14...	<.1	12	40	.05	.07	.010	.01	.16	.17	.24	1.1
APR 07...	<.1	9.8	46	.06	.11	.060	.07	.29	.35	.46	2.0
JUL 08...	.1	7.5	65	.09	.11	.040	.05	.41	.45	.56	2.5

DATE	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	PHENOLS (UG/L)
OCT 14...	.080	.25	.030	3000	2900	130	250	90	160	.6	<1
JAN 14...	.020	.06	.030	1100	1000	60	170	30	140	.1	<1
APR 07...	.030	.09	.010	880	510	370	150	0	150	<.1	<1
JUL 08...	.050	.15	.010	660	530	130	220	200	20	.1	<1

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL (UG/L)	DAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDO, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)
OCT 14...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	<.01	<.01	<.01
JAN 14...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	<.01	<.01	<.01
APR 07...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	<.01	<.01	<.01
JUL 08...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	<.01	<.01	<.01

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
OCT 14...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
JAN 14...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
APR 07...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
JUL 08...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 14...	<.01	<.01	<.01	<0	<.01	--	--	--	--
JAN 14...	<.01	<.01	<.01	<0	<.01	<.01	<.01	<.01	<.01
APR 07...	<.01	<.01	<.01	<0	<.01	.01	<.01	<.01	<.01
JUL 08...	<.01	<.01	<.01	<0	<.01	.01	<.01	.01	<.01

TENNESSEE RIVER BASIN

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	66	64	65	---	---	---	---	---	---	60	58	58
2	66	50	61	---	---	---	---	---	---	59	57	58
3	62	56	59	---	---	---	66	64	65	59	57	58
4	62	59	60	---	---	---	66	65	65	59	54	56
5	63	57	59	---	---	---	67	65	66	56	54	55
6	63	49	57	---	---	---	68	66	67	56	54	55
7	61	56	59	85	84	85	69	66	67	---	---	---
8	90	64	79	85	83	84	68	66	67	---	---	---
9	---	---	---	85	84	85	67	65	66	---	---	---
10	---	---	---	86	84	85	66	64	65	---	---	---
11	---	---	---	87	85	86	67	65	66	---	---	---
12	---	---	---	87	86	86	68	66	67	---	---	---
13	---	---	---	88	86	87	68	67	67	---	---	---
14	---	---	---	88	86	87	68	67	68	52	51	52
15	---	---	---	87	85	86	69	67	68	52	51	52
16	---	---	---	86	85	85	69	68	68	53	50	52
17	---	---	---	85	75	80	71	69	70	50	49	50
18	---	---	---	75	68	71	71	70	70	50	47	49
19	---	---	---	77	71	75	71	71	71	49	45	47
20	---	---	---	74	70	72	72	71	72	47	43	45
21	---	---	---	75	71	73	72	71	71	43	41	41
22	---	---	---	73	71	72	72	71	72	44	41	42
23	---	---	---	71	69	70	72	68	71	47	43	45
24	---	---	---	70	69	70	69	66	68	56	45	51
25	---	---	---	70	69	70	67	64	65	61	57	59
26	---	---	---	71	65	68	64	62	63	63	60	62
27	---	---	---	77	70	73	---	---	---	64	62	63
28	95	89	92	71	66	68	---	---	---	68	63	65
29	89	87	88	68	66	67	---	---	---	71	67	69
30	87	86	87	---	---	---	62	60	61	69	68	69
31	88	85	86	---	---	---	62	59	61	73	69	71

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	78	63	71	65	64	64	59	58	58	88	78	83
2	82	70	75	65	63	64	60	59	59	79	65	72
3	72	67	69	66	64	65	66	59	61	78	69	73
4	68	61	64	66	59	64	67	61	64	81	75	79
5	62	53	55	66	59	62	62	61	62	84	81	82
6	54	53	53	62	57	59	64	62	63	84	79	82
7	55	52	53	62	60	61	64	62	63	84	79	81
8	53	52	52	64	62	63	66	61	62	83	80	81
9	53	51	52	65	63	64	63	62	62	82	80	81
10	55	51	53	68	63	66	65	62	63	83	81	82
11	54	51	52	68	67	68	69	64	65	81	80	80
12	52	50	51	69	67	68	73	64	68	81	79	80
13	54	50	52	70	68	69	71	66	68	92	82	84
14	58	52	55	71	69	70	78	68	72	91	88	90
15	59	55	57	71	69	70	76	71	74	91	86	88
16	61	57	59	69	67	68	74	71	73	91	88	89
17	62	56	60	70	67	68	81	72	75	90	84	87
18	58	54	56	68	63	66	78	74	76	85	82	83
19	59	56	57	63	62	62	91	73	77	83	81	82
20	61	58	59	63	61	62	84	76	79	84	81	82
21	61	58	60	63	60	62	77	71	73	83	82	83
22	62	59	61	61	59	60	75	72	73	87	79	82
23	63	61	62	61	59	60	76	72	73	90	81	85
24	63	61	62	62	60	61	73	69	70	---	---	---
25	63	63	63	63	60	61	70	69	70	---	---	---
26	64	61	63	61	58	59	75	68	70	---	---	---
27	64	61	63	62	60	61	92	73	83	75	74	75
28	66	64	65	63	61	62	96	80	89	76	72	74
29	---	---	---	73	62	65	95	77	86	73	68	71
30	---	---	---	65	60	62	92	80	87	85	74	79
31	---	---	---	61	59	60	---	---	---	81	74	78

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	77	72	75	132	129	130	110	106	108	120	118	119
2	85	74	78	130	125	128	110	108	109	121	116	118
3	96	78	87	127	125	126	112	109	110	118	113	115
4	93	82	88	130	125	127	115	111	113	113	111	112
5	91	81	85	132	118	126	118	112	116	113	101	110
6	86	80	82	120	113	115	119	114	116	113	96	104
7	82	79	81	119	115	117	117	115	116	115	105	110
8	79	76	77	119	108	114	116	115	116	114	108	111
9	97	79	84	112	105	110	117	115	115	111	105	107
10	96	85	90	110	101	104	117	115	116	108	105	106
11	95	86	90	118	105	111	118	115	116	113	105	109
12	---	---	---	119	108	113	118	114	116	110	108	109
13	---	---	---	121	112	117	120	114	118	112	108	110
14	---	---	---	124	116	121	121	118	120	113	111	112
15	---	---	---	127	117	124	121	119	120	115	112	114
16	112	107	110	127	113	120	122	120	121	114	112	113
17	134	108	119	119	111	114	122	120	121	114	111	112
18	135	112	122	112	108	111	122	119	121	113	111	112
19	116	108	113	115	109	112	121	120	121	115	112	114
20	117	114	115	114	109	112	122	119	120	117	114	115
21	122	113	116	111	109	110	122	119	120	117	115	116
22	---	---	---	110	104	107	121	116	119	117	113	115
23	---	---	---	113	103	106	120	114	116	117	113	115
24	---	---	---	114	109	111	116	110	113	117	114	116
25	127	124	125	112	108	110	117	111	113	117	114	116
26	131	124	126	111	108	109	117	111	114	119	114	116
27	148	125	132	110	108	109	118	114	116	119	116	117
28	133	129	131	117	109	111	119	116	117	119	116	117
29	133	130	132	113	110	111	120	117	118	118	115	116
30	130	127	129	112	106	110	120	118	119	118	116	116
31	---	---	---	110	105	107	119	117	118	---	---	---

PH (STANDARD UNITS), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.0	6.9	---	---	---	---	7.1	7.0	7.1	6.8	6.8	6.7
2	7.0	6.6	---	---	---	---	7.2	7.0	7.0	6.8	6.8	6.7
3	6.9	6.7	---	---	6.9	6.8	7.2	7.1	6.9	6.9	6.8	6.7
4	6.9	6.8	---	---	6.9	6.8	7.2	7.1	6.9	6.8	6.8	6.7
5	7.0	6.8	---	---	6.8	6.8	7.2	7.1	6.8	6.5	6.7	6.6
6	7.0	6.8	---	---	6.8	6.8	7.2	7.1	6.6	6.5	6.6	6.6
7	7.0	6.9	6.9	6.8	6.8	6.8	---	---	6.5	6.4	6.7	6.6
8	7.1	6.9	6.9	6.8	6.8	6.8	---	---	6.4	6.4	6.7	6.6
9	7.3	7.0	7.0	6.9	6.9	6.8	---	---	6.4	6.4	6.7	6.7
10	7.2	7.1	6.9	6.8	6.9	6.8	---	---	6.5	6.4	6.8	6.6
11	7.2	7.1	6.9	6.9	6.9	6.8	---	---	6.5	6.4	6.8	6.7
12	7.2	7.1	7.0	6.9	6.9	6.8	---	---	6.5	6.5	6.9	6.8
13	7.2	7.1	7.0	6.9	6.9	6.9	---	---	6.6	6.5	6.9	6.8
14	7.2	7.1	7.0	6.9	6.9	6.8	7.1	7.0	6.5	6.5	6.8	6.7
15	7.2	7.1	7.0	7.0	6.9	6.9	7.1	7.0	6.5	6.5	6.8	6.7
16	7.2	6.9	7.0	7.0	6.9	6.9	7.1	7.0	6.6	6.5	6.8	6.7
17	7.2	7.0	7.0	6.8	6.9	6.9	7.1	7.0	6.6	6.5	6.8	6.7
18	7.3	7.1	6.8	6.7	7.0	6.9	7.1	7.0	6.5	6.5	7.0	6.8
19	7.3	7.0	6.7	6.4	7.0	6.9	7.0	7.0	6.6	6.5	7.0	6.9
20	7.2	7.1	6.4	6.3	7.1	7.0	7.0	6.9	6.6	6.6	7.0	6.9
21	7.2	7.1	6.4	6.3	7.1	7.1	6.8	6.7	6.6	6.5	7.0	6.8
22	7.1	7.0	6.3	6.3	7.1	7.1	6.7	6.7	6.7	6.5	7.0	7.0
23	7.1	7.0	6.3	6.3	7.1	7.0	6.8	6.7	6.9	6.7	---	---
24	7.0	6.9	6.4	6.3	7.1	7.1	6.8	6.7	6.8	6.8	6.9	6.1
25	7.1	7.0	6.4	6.3	7.1	7.1	6.8	6.8	6.8	6.8	7.2	6.6
26	7.1	7.0	6.5	6.4	7.1	7.0	6.9	6.8	6.8	6.7	7.2	6.8
27	7.2	7.0	6.8	6.5	---	---	6.9	6.9	6.7	6.6	7.2	6.8
28	7.2	7.1	6.8	6.8	---	---	6.9	6.9	6.8	6.7	7.2	6.9
29	7.1	7.1	6.8	6.8	---	---	6.9	6.9	---	---	7.3	6.9
30	7.1	7.0	---	---	7.1	7.1	7.0	6.9	---	---	7.2	6.9
31	7.1	7.0	---	---	7.1	7.1	7.0	6.9	---	---	7.1	6.8

TENNESSEE RIVER BASIN

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.1	6.8	7.0	6.6	7.1	6.9	7.4	7.1	6.9	6.7	7.1	7.0
2	7.1	6.8	6.7	6.4	7.1	6.9	7.3	7.0	6.9	6.7	7.1	7.0
3	7.0	6.6	6.8	6.5	7.2	7.0	7.2	7.0	7.0	6.8	7.1	7.0
4	7.1	6.8	7.0	6.7	7.1	7.0	7.4	7.1	7.0	6.8	7.1	7.0
5	7.0	6.8	7.1	6.9	7.1	7.0	7.4	7.2	7.0	6.8	7.1	6.9
6	6.9	6.8	7.1	6.8	7.1	7.0	7.2	7.1	7.5	6.9	7.1	6.9
7	7.0	6.8	7.0	6.8	7.1	6.9	7.2	7.1	7.4	7.0	7.4	7.0
8	7.0	6.7	6.9	6.7	7.0	6.9	7.2	7.0	7.4	7.0	7.4	7.0
9	7.0	6.8	7.0	6.8	7.1	6.9	7.1	7.0	7.4	6.9	7.1	6.8
10	7.2	6.8	7.1	6.8	7.1	7.0	7.3	6.9	7.1	6.8	7.0	6.9
11	7.1	6.8	7.1	7.0	7.1	7.0	7.6	7.1	7.1	6.9	7.3	6.9
12	7.1	6.7	7.0	6.9	7.1	7.0	7.5	7.1	7.1	6.9	7.3	7.0
13	7.2	6.8	7.2	6.8	7.1	7.0	7.6	7.1	7.2	6.8	7.3	7.1
14	7.0	6.8	7.2	6.9	7.1	7.0	8.1	7.2	7.2	6.9	7.4	7.1
15	6.9	6.8	7.2	7.1	7.2	7.1	8.1	7.1	7.2	6.9	7.3	7.0
16	6.9	6.7	7.3	7.2	7.3	7.1	7.7	7.2	7.4	6.9	7.2	7.0
17	7.0	6.8	7.3	7.1	7.2	7.0	7.4	7.1	7.3	7.0	7.3	7.1
18	7.0	6.7	7.3	7.1	7.3	7.0	7.2	6.8	7.0	6.9	7.2	7.1
19	7.1	6.8	7.4	7.2	7.3	7.0	7.3	6.9	6.9	6.9	7.3	7.1
20	7.1	6.9	7.3	7.1	7.5	7.2	7.5	7.0	7.0	6.9	7.3	7.2
21	7.0	6.9	7.2	7.0	7.5	7.1	7.1	6.9	7.0	6.9	7.3	7.2
22	---	---	7.2	7.0	---	---	7.1	6.7	7.0	6.9	7.5	7.2
23	---	---	7.2	7.0	---	---	7.0	6.7	7.1	6.9	7.5	7.3
24	---	---	7.5	7.1	---	---	7.2	6.9	7.1	6.9	7.4	7.2
25	---	---	7.5	7.3	7.4	7.1	7.0	6.8	7.1	6.9	7.3	7.2
26	---	---	7.3	6.9	7.5	7.0	6.9	6.8	7.1	6.8	7.4	7.1
27	---	---	7.3	6.9	8.5	7.0	6.9	6.7	7.5	6.9	7.3	7.2
28	---	---	7.3	6.9	7.7	7.3	7.1	6.7	7.5	7.1	7.4	7.2
29	---	---	7.0	6.8	7.6	7.2	7.2	7.0	7.3	7.1	7.4	7.2
30	---	---	7.3	6.9	7.6	7.2	7.0	6.7	7.2	6.9	7.4	7.2
31	---	---	7.2	6.9	---	---	7.0	6.7	7.0	6.9	---	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	21.0	21.0	21.0	---	---	---	---	---	---	5.5	5.0	5.0
2	21.5	20.5	21.0	---	---	---	---	---	---	5.5	5.0	5.0
3	21.0	20.0	20.5	---	---	---	8.0	7.5	8.0	5.0	4.0	4.5
4	20.0	19.5	20.0	---	---	---	8.0	7.5	7.5	4.0	3.5	4.0
5	19.5	18.5	19.0	---	---	---	8.0	7.5	8.0	4.5	3.5	4.0
6	18.5	17.5	18.0	---	---	---	9.0	8.0	8.0	4.0	3.0	3.5
7	19.0	17.5	18.5	14.5	14.0	14.5	9.5	8.5	9.0	---	---	---
8	19.5	18.0	19.0	15.5	14.0	14.5	9.5	9.0	9.0	---	---	---
9	21.0	19.0	19.5	15.5	15.0	15.0	10.0	9.5	10.0	---	---	---
10	21.0	19.5	20.5	15.0	14.5	15.0	10.0	9.5	10.0	---	---	---
11	20.5	20.0	20.5	14.5	14.0	14.5	10.0	9.5	9.5	---	---	---
12	20.0	19.0	19.5	14.0	14.0	14.0	10.0	9.0	9.5	---	---	---
13	19.0	18.5	18.5	14.5	13.5	14.0	10.5	9.0	9.5	---	---	---
14	19.0	18.0	18.5	14.0	14.0	14.0	9.5	9.0	9.0	4.0	3.0	3.5
15	19.5	18.0	19.5	14.0	13.5	14.0	9.0	8.5	9.0	4.0	3.0	4.0
16	19.0	18.5	18.5	13.5	13.0	13.5	9.0	8.5	9.0	4.0	3.5	4.0
17	19.5	18.0	18.5	13.0	12.5	12.5	9.0	8.5	8.5	4.0	2.5	3.5
18	19.5	19.0	19.5	12.5	11.0	11.5	9.0	8.5	8.5	4.0	3.0	3.5
19	20.5	18.5	19.5	11.0	10.5	11.0	9.0	8.0	8.5	4.0	3.0	4.0
20	19.5	18.5	19.0	11.0	10.5	10.5	7.5	6.5	7.0	4.0	4.0	4.0
21	19.5	18.5	19.0	11.0	10.0	10.5	6.5	6.0	6.0	4.5	4.0	4.0
22	19.0	18.0	18.5	10.0	10.0	10.0	6.0	5.5	5.5	4.5	4.5	4.5
23	18.0	18.0	18.0	10.0	9.5	9.5	6.0	5.5	6.0	5.0	4.0	4.5
24	18.0	17.5	18.0	10.0	9.5	10.0	6.0	5.0	5.5	5.0	4.0	4.5
25	17.5	17.0	17.0	10.0	9.0	9.5	5.5	5.0	5.0	5.5	4.5	5.0
26	17.0	16.0	16.5	9.0	8.5	9.0	5.5	5.0	5.0	6.5	5.5	6.0
27	17.0	16.0	16.5	8.5	7.5	7.5	---	---	---	7.5	6.5	7.0
28	16.5	16.0	16.0	8.5	8.0	8.0	---	---	---	8.5	6.5	7.0
29	16.0	15.0	15.5	8.5	7.5	8.0	---	---	---	7.5	6.5	7.0
30	15.0	14.5	14.5	---	---	---	5.0	5.0	5.0	7.0	6.0	6.5
31	15.5	14.0	14.5	---	---	---	5.5	5.0	5.0	6.0	6.0	6.0

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	6.5	6.0	6.5	13.0	12.0	12.5	17.5	16.0	17.0	23.5	21.0	22.0
2	6.5	5.5	6.0	13.0	11.5	12.0	17.5	16.5	17.0	22.5	20.5	21.0
3	5.5	5.0	5.5	12.0	11.5	12.0	18.0	16.5	17.5	21.0	20.5	21.0
4	5.5	5.0	5.0	11.5	11.5	11.5	18.0	17.5	17.5	22.0	21.0	21.5
5	5.0	4.0	5.0	11.5	10.5	11.0	18.0	17.0	17.5	23.0	21.5	22.0
6	5.5	5.0	5.0	11.0	10.0	10.5	17.5	17.0	17.0	22.5	21.5	22.0
7	5.5	4.5	5.0	11.0	10.0	10.5	17.5	17.0	17.5	21.5	20.0	21.0
8	5.5	5.0	5.0	11.5	10.0	10.5	17.5	17.0	17.5	21.0	20.5	20.5
9	5.0	4.5	5.0	11.0	10.0	10.5	18.0	17.5	17.5	21.0	20.5	20.5
10	6.0	5.0	5.5	11.5	10.0	11.0	19.5	17.5	18.5	21.0	20.5	20.5
11	6.0	4.5	5.0	12.5	10.5	11.5	19.5	18.5	19.0	20.5	19.5	20.0
12	5.0	4.0	4.5	12.5	10.5	11.5	20.0	19.0	19.5	19.5	19.5	19.5
13	4.5	3.5	4.0	12.5	11.0	11.5	21.0	19.0	20.0	20.0	19.5	19.5
14	5.5	4.0	4.5	12.5	11.0	11.5	21.0	19.5	20.5	20.5	19.5	20.5
15	5.0	4.5	5.0	11.5	11.0	11.5	20.5	19.5	20.0	20.0	19.5	20.0
16	6.0	5.5	5.5	12.0	10.5	11.5	20.5	19.5	19.5	20.0	19.5	20.0
17	7.0	6.0	6.5	12.0	10.5	11.5	20.5	20.0	20.5	19.5	19.5	19.5
18	9.0	7.0	8.0	12.0	11.0	11.5	21.0	20.0	20.5	20.0	19.5	19.5
19	11.0	9.0	10.0	11.0	10.5	11.0	22.0	20.5	21.5	20.5	20.0	20.0
20	11.5	10.0	10.5	11.5	10.0	10.5	21.5	20.5	21.0	20.0	19.5	19.5
21	11.0	10.5	11.0	11.5	10.5	11.0	20.5	20.0	20.5	19.5	19.5	19.5
22	11.0	10.0	10.5	11.0	10.0	10.5	20.5	20.0	20.0	20.0	19.5	19.5
23	11.5	10.5	11.0	11.5	10.5	11.0	21.0	20.5	20.5	20.5	19.5	20.0
24	12.0	10.5	11.0	11.5	10.5	11.0	21.0	20.0	20.5	22.0	20.0	21.0
25	12.5	10.5	11.5	12.0	11.0	11.5	20.0	20.0	20.0	22.0	21.0	21.5
26	12.0	11.5	12.0	13.0	12.0	12.5	21.5	20.0	20.5	21.5	20.5	21.0
27	14.0	11.5	12.5	14.5	12.5	13.5	21.0	20.0	20.5	22.0	21.0	21.5
28	13.0	13.0	13.0	15.0	13.5	14.5	22.5	20.5	21.5	21.0	20.5	21.0
29	---	---	---	15.0	14.0	14.5	23.0	21.0	22.0	22.0	20.5	21.0
30	---	---	---	15.0	14.5	15.0	23.5	21.0	22.0	24.5	21.5	23.0
31	---	---	---	16.0	15.0	16.0	---	---	---	24.5	22.0	23.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	23.5	22.0	22.5	29.0	28.5	28.5	28.0	27.0	28.0	28.5	27.5	28.0
2	24.5	22.5	23.5	28.5	27.5	28.0	28.0	27.5	27.5	28.0	28.0	28.0
3	24.5	23.0	23.5	28.5	27.5	28.0	29.0	27.5	28.0	28.0	27.5	27.5
4	24.5	23.5	24.0	29.0	28.0	28.5	29.0	28.0	28.5	28.0	27.5	27.5
5	25.0	24.0	24.5	29.0	28.0	28.5	29.5	28.5	29.0	27.5	27.0	27.0
6	25.5	24.0	25.0	28.0	27.5	28.0	31.0	29.5	30.0	27.5	26.5	27.0
7	25.5	24.5	25.0	28.0	28.0	28.0	30.5	29.5	30.0	28.5	27.0	27.5
8	26.5	24.5	25.0	28.5	28.0	28.0	31.0	29.5	30.0	28.0	27.0	27.5
9	27.0	25.5	26.0	28.5	28.0	28.0	30.5	29.5	29.5	27.0	26.5	26.5
10	26.5	25.5	26.5	30.0	27.5	28.5	30.0	28.5	29.0	26.5	26.0	26.0
11	26.5	26.0	26.5	30.5	28.5	29.5	30.0	29.0	29.5	27.5	26.0	26.5
12	27.0	25.5	26.0	31.0	29.5	30.5	30.5	29.0	29.5	27.0	26.5	26.5
13	26.5	25.5	26.0	32.0	30.0	31.0	30.0	28.5	29.5	27.0	26.5	26.5
14	27.0	26.0	26.5	33.5	30.0	31.5	30.5	29.0	29.5	27.5	26.5	27.0
15	28.0	26.0	27.0	33.0	30.0	32.0	31.0	29.5	30.5	27.5	26.5	27.0
16	29.0	27.5	28.5	32.5	31.0	32.0	31.0	30.0	30.5	27.0	26.5	26.5
17	28.5	26.5	28.0	32.0	31.0	31.5	31.0	29.5	30.0	26.5	25.5	26.0
18	27.5	26.5	27.0	31.0	29.5	30.5	29.5	28.5	29.0	25.5	24.5	25.0
19	28.5	26.5	27.5	32.0	30.0	31.0	28.5	27.5	28.0	24.5	23.5	24.0
20	29.0	28.0	28.5	32.5	30.5	32.0	27.5	27.0	27.5	24.0	22.5	23.5
21	29.5	28.5	29.0	31.0	30.0	30.5	27.0	26.5	27.0	24.0	22.5	23.0
22	---	---	---	30.5	29.5	30.0	27.0	26.5	26.5	24.5	22.5	23.5
23	---	---	---	30.0	29.0	29.5	27.0	26.5	26.5	24.0	23.5	23.5
24	---	---	---	30.5	29.5	30.0	27.0	26.5	26.5	23.5	23.0	23.0
25	29.5	28.5	29.0	30.0	29.0	29.5	28.5	26.5	27.0	23.5	23.0	23.0
26	30.5	27.5	28.5	29.5	29.0	29.5	28.5	27.0	27.5	24.5	23.5	23.5
27	33.0	27.5	29.5	30.0	29.0	29.5	29.0	27.5	28.0	24.5	23.5	24.0
28	29.5	28.5	29.0	31.0	29.5	30.5	28.5	28.0	28.5	24.5	24.0	24.0
29	29.5	28.5	29.0	30.5	29.5	30.0	28.0	28.0	28.0	24.0	23.5	23.5
30	29.5	28.5	29.0	29.5	28.5	29.0	28.0	28.0	28.0	24.5	23.0	23.5
31	---	---	---	28.5	27.5	28.0	28.5	27.5	28.0	---	---	---

TENNESSEE RIVER BASIN

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

TURBIDITY (NTU), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	130	120	130	---	---	---	---	---	---	30	30	30
2	130	120	120	---	---	---	---	---	---	30	30	30
3	210	130	170	---	---	---	50	35	45	35	30	30
4	310	210	260	---	---	---	50	45	50	35	30	30
5	400	310	350	---	---	---	60	50	55	30	25	30
6	390	330	370	---	---	---	65	55	60	30	25	30
7	400	350	370	85	70	80	60	55	60	---	---	---
8	400	340	380	70	55	65	60	55	55	---	---	---
9	390	280	350	60	55	55	60	50	55	---	---	---
10	360	250	320	60	45	55	55	50	50	---	---	---
11	340	270	300	50	45	45	60	55	55	---	---	---
12	330	270	280	50	45	50	55	50	50	---	---	---
13	400	300	330	55	45	50	50	45	50	---	---	---
14	450	200	390	60	45	50	50	45	45	25	25	25
15	400	340	390	55	50	50	50	45	45	30	25	25
16	450	270	360	55	45	50	45	40	45	30	25	25
17	400	280	330	60	45	50	45	40	45	30	25	25
18	290	220	250	80	55	65	45	40	45	30	25	25
19	350	230	290	200	75	130	45	40	45	30	25	25
20	310	230	250	220	170	200	45	45	45	25	25	25
21	360	240	290	220	180	210	45	40	45	30	25	25
22	450	310	360	220	200	210	45	40	40	30	30	30
23	400	290	330	210	180	190	40	40	40	30	30	30
24	450	290	370	180	150	160	45	40	40	30	25	30
25	400	310	370	160	140	150	40	35	40	35	30	30
26	380	330	350	140	110	130	35	35	35	40	35	35
27	350	280	320	110	55	60	---	---	---	45	40	40
28	280	180	210	60	55	55	---	---	---	50	40	40
29	190	170	180	55	50	50	---	---	---	45	40	40
30	300	150	190	---	---	---	30	30	30	45	40	40
31	280	180	220	---	---	---	30	30	30	40	35	40

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FFBRUARY			MARCH			APRIL			MAY			
1	140	35	60	50	40	45	45	40	40	360	30	140
2	130	70	85	60	40	45	45	35	40	55	35	45
3	75	70	70	65	40	50	40	30	35	55	35	40
4	95	70	80	65	45	50	40	30	35	45	30	35
5	180	90	150	85	60	75	40	30	35	40	30	35
6	220	170	200	85	75	80	45	35	40	50	35	40
7	240	210	220	75	70	75	45	35	40	50	45	45
8	230	210	220	70	65	65	40	35	35	55	40	45
9	230	200	220	65	55	60	35	35	35	60	50	55
10	230	200	210	70	50	55	45	30	35	75	55	60
11	210	170	180	60	50	50	45	30	35	85	60	65
12	180	160	170	60	50	50	40	30	30	85	60	70
13	170	150	160	65	50	50	35	30	30	100	60	75
14	150	140	150	70	55	60	50	30	35	100	75	80
15	150	130	140	65	60	65	50	40	45	150	65	85
16	140	120	130	85	65	70	65	40	50	70	60	65
17	120	100	110	85	65	75	85	50	65	70	60	60
18	100	85	90	80	65	70	80	55	65	70	55	60
19	90	80	85	100	65	80	75	55	60	80	60	65
20	85	75	80	80	65	70	75	60	65	100	65	80
21	90	80	85	90	55	65	100	75	85	100	90	95
22	85	80	80	55	50	55	100	85	95	110	85	90
23	120	80	85	65	55	55	130	95	110	100	85	90
24	110	80	90	60	50	55	160	120	140	110	90	95
25	100	80	85	70	55	60	180	160	170	110	40	75
26	120	80	90	60	45	55	220	180	200	120	45	75
27	90	40	65	55	40	45	240	210	230	85	55	70
28	55	40	45	60	40	45	290	250	270	90	55	75
29	---	---	---	45	35	40	310	280	300	110	70	85
30	---	---	---	75	40	50	360	300	330	70	40	50
31	---	---	---	55	45	45	---	---	---	70	40	55

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

TURBIDITY (NTU), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	390	50	170	55	25	35	80	30	35	50	35	35
2	390	390	390	60	25	40	45	30	35	45	30	35
3	---	---	---	55	35	40	40	30	30	55	35	45
4	---	---	---	45	25	35	35	25	30	55	35	40
5	---	---	---	50	25	35	30	20	25	60	40	45
6	---	---	---	90	40	65	150	15	30	60	40	45
7	---	---	---	65	50	55	35	20	25	55	35	40
8	---	---	---	75	45	50	30	20	25	55	35	40
9	---	---	---	60	40	50	40	20	30	65	40	55
10	---	---	---	50	30	50	35	25	30	65	40	50
11	---	---	---	40	20	30	35	25	30	45	20	35
12	---	---	---	45	25	30	35	25	30	45	20	30
13	---	---	---	40	20	30	50	25	30	35	20	25
14	---	---	---	40	10	20	35	20	30	40	20	25
15	70	45	50	45	15	20	30	20	25	45	20	35
16	55	45	45	35	15	25	30	15	25	60	35	40
17	75	45	60	65	30	35	35	20	25	55	35	40
18	60	30	45	60	35	45	40	30	35	60	45	50
19	50	25	35	50	30	40	45	35	40	85	40	55
20	35	20	25	45	25	30	45	35	40	60	40	45
21	30	20	25	60	40	45	50	35	40	70	35	45
22	---	---	---	55	40	45	60	35	45	50	30	40
23	---	---	---	50	35	40	50	35	45	55	30	40
24	---	---	---	45	30	35	60	35	45	65	45	55
25	35	15	25	55	35	40	45	35	40	70	45	55
26	40	20	30	50	35	40	45	30	40	60	35	45
27	45	25	30	45	35	40	35	25	30	60	35	45
28	40	20	25	45	30	35	35	25	30	55	35	45
29	35	20	25	35	25	30	45	25	35	70	45	55
30	45	15	25	45	30	35	50	30	40	65	40	50
31	---	---	---	45	30	40	50	35	40	---	---	---

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.3	7.0	7.2	---	---	---	---	---	---	13.0	12.9	12.9
2	7.7	6.4	6.9	---	---	---	---	---	---	13.0	12.9	12.9
3	7.5	6.6	7.2	---	---	---	11.3	11.2	11.3	13.3	12.9	13.1
4	7.6	7.2	7.4	---	---	---	11.3	11.2	11.2	13.3	13.1	13.2
5	8.1	7.4	7.7	---	---	---	11.2	11.2	11.2	13.4	13.2	13.2
6	8.1	7.7	7.8	---	---	---	11.3	11.1	11.2	13.5	13.2	13.4
7	8.1	7.8	7.9	8.9	8.5	8.7	11.3	11.2	11.2	---	---	---
8	8.5	7.9	8.2	8.9	8.6	8.7	11.3	11.1	11.2	---	---	---
9	8.9	8.2	8.5	8.9	8.6	8.7	11.1	11.0	11.1	---	---	---
10	9.2	8.4	8.8	8.7	8.4	8.6	11.1	11.0	11.1	---	---	---
11	9.0	8.8	8.9	8.8	8.6	8.7	11.1	11.1	11.1	---	---	---
12	8.8	8.4	8.7	9.0	8.8	8.9	11.1	11.0	11.1	---	---	---
13	8.6	8.6	8.6	9.2	8.9	9.0	11.2	11.0	11.1	---	---	---
14	---	---	---	9.2	8.8	9.1	11.1	10.9	11.0	13.1	13.0	13.0
15	8.3	8.1	8.2	9.3	8.9	9.1	11.1	11.0	11.0	13.2	13.0	13.1
16	8.3	7.4	7.9	9.2	9.0	9.1	11.1	11.0	11.0	13.1	13.0	13.1
17	8.2	7.5	7.9	9.4	9.1	9.2	11.1	10.9	11.0	13.3	13.1	13.2
18	8.4	8.0	8.2	9.6	9.2	9.5	11.2	11.0	11.1	13.3	13.1	13.2
19	8.4	7.7	8.1	9.5	9.2	9.4	11.3	11.1	11.2	13.4	13.1	13.3
20	8.6	8.1	8.3	9.2	8.9	9.0	11.8	11.3	11.5	13.3	13.2	13.2
21	8.5	8.2	8.4	9.0	8.8	8.9	11.9	11.7	11.8	13.2	13.0	13.1
22	8.4	8.1	8.2	8.8	8.7	8.7	11.8	11.8	11.8	13.0	12.8	12.9
23	8.1	8.0	8.1	8.8	8.7	8.7	11.9	11.8	11.8	12.9	12.7	12.8
24	8.0	7.4	7.8	9.0	8.8	8.9	12.3	11.9	12.0	13.0	12.7	12.8
25	8.4	8.0	8.2	9.5	9.0	9.2	12.3	12.1	12.2	12.9	12.8	12.9
26	8.4	8.2	8.3	9.9	9.4	9.6	12.4	12.2	12.3	12.8	12.6	12.7
27	8.7	8.1	8.4	11.0	9.8	10.8	---	---	---	12.6	12.4	12.5
28	8.8	8.5	8.7	10.8	10.7	10.8	---	---	---	12.5	12.4	12.4
29	8.8	8.7	8.8	10.9	10.8	10.8	---	---	---	12.5	12.3	12.4
30	8.9	8.7	8.8	---	---	---	12.9	12.8	12.8	12.3	12.3	12.3
31	8.9	8.8	8.9	---	---	---	12.9	12.8	12.8	12.3	12.2	12.3

TENNESSEE RIVER BASIN

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	12.2	11.9	12.1	10.1	9.9	10.0	10.5	10.0	10.3	8.5	5.7	7.0
2	11.9	11.8	11.8	10.1	9.9	10.0	10.4	9.5	9.9	7.7	6.2	6.7
3	11.9	11.8	11.8	10.1	9.8	9.9	10.4	9.2	9.7	7.2	6.6	6.9
4	12.0	11.8	11.9	10.2	9.9	10.1	9.7	9.3	9.5	7.9	6.9	7.4
5	11.9	11.8	11.9	10.3	10.2	10.3	9.6	9.3	9.4	8.1	7.0	7.5
6	11.9	11.6	11.7	10.4	10.2	10.3	9.3	8.9	9.1	7.4	6.2	6.9
7	11.7	11.3	11.5	10.3	10.1	10.2	9.4	8.9	9.2	7.2	6.0	6.7
8	11.5	11.3	11.4	10.4	10.2	10.3	9.4	8.9	9.1	7.1	6.0	6.6
9	11.4	11.3	11.3	10.5	10.2	10.3	9.2	8.9	9.0	7.2	6.2	6.6
10	11.4	11.2	11.3	10.9	10.3	10.6	9.8	8.8	9.3	7.7	6.1	7.0
11	11.9	11.3	11.7	11.0	10.4	10.7	9.7	9.0	9.4	8.1	7.7	7.9
12	11.9	11.7	11.8	11.2	10.6	10.8	9.4	8.4	9.1	7.9	7.7	7.8
13	12.1	11.6	11.9	11.3	10.6	10.8	9.7	8.5	9.2	8.4	5.7	7.6
14	12.0	11.7	11.9	10.7	10.5	10.6	9.3	8.3	8.8	8.2	6.8	7.9
15	11.9	11.7	11.8	10.6	10.4	10.5	8.9	8.2	8.5	8.3	8.0	8.2
16	11.9	11.7	11.8	10.7	10.3	10.5	8.6	7.9	8.2	8.7	8.1	8.4
17	12.1	11.8	12.0	10.7	10.4	10.5	8.6	7.9	8.3	8.7	8.3	8.5
18	11.8	11.3	11.6	11.0	10.5	10.8	8.7	7.9	8.1	9.1	8.4	8.7
19	11.3	11.1	11.2	11.1	10.8	10.9	8.7	7.7	8.4	9.3	8.6	8.9
20	11.1	10.9	11.0	11.1	10.9	11.0	8.8	7.8	8.2	9.0	8.5	8.7
21	11.0	10.7	10.8	11.2	10.7	10.9	8.1	7.8	7.9	8.9	8.5	8.7
22	10.7	10.6	10.6	11.0	10.8	10.9	8.7	7.7	8.0	8.9	8.4	8.5
23	10.6	10.5	10.6	11.1	10.8	11.0	8.9	8.0	8.5	8.7	7.8	8.4
24	10.6	10.4	10.5	11.2	10.9	11.1	8.4	8.0	8.2	8.8	7.5	8.0
25	10.6	10.4	10.4	11.8	10.8	11.2	8.2	7.8	8.0	8.9	7.8	8.3
26	10.4	10.1	10.3	11.7	11.2	11.4	8.0	7.4	7.6	8.3	7.1	7.7
27	10.2	9.9	10.1	11.6	11.1	11.4	7.8	7.0	7.3	8.7	7.6	8.1
28	10.1	9.9	10.0	11.5	10.7	11.1	8.7	6.9	7.5	8.8	6.7	7.5
29	---	---	---	11.0	10.4	10.7	8.6	6.5	7.7	7.6	6.6	7.1
30	---	---	---	11.0	10.4	10.6	8.1	5.9	6.9	8.3	6.7	7.5
31	---	---	---	11.2	10.1	10.5	---	---	---	8.1	6.2	7.1

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	7.2	6.0	6.6	6.8	5.2	6.2	6.8	4.5	5.7	6.6	5.6	6.0
2	7.2	5.6	6.5	6.7	4.2	5.5	7.1	5.3	6.1	6.5	5.4	6.1
3	7.1	5.2	6.0	6.2	4.3	5.3	8.0	6.1	6.8	6.3	5.5	5.9
4	6.7	5.3	6.1	7.3	5.4	6.5	7.8	5.6	6.5	6.6	5.8	6.1
5	6.7	5.5	6.2	7.1	5.9	6.6	7.9	5.5	6.6	6.5	5.6	6.0
6	7.0	5.4	6.4	6.5	6.0	6.3	10.2	6.2	8.1	7.0	5.7	6.4
7	6.7	5.5	6.0	6.4	5.7	6.1	9.6	7.1	8.1	8.0	6.2	7.0
8	7.0	5.6	6.1	6.4	5.0	5.7	9.2	6.6	8.2	8.0	6.6	7.3
9	7.2	5.1	6.3	6.2	4.9	5.4	8.8	4.8	7.3	7.1	5.7	6.3
10	7.0	5.4	6.3	7.5	5.1	6.0	7.5	4.2	6.4	6.6	5.8	6.1
11	6.7	5.5	6.2	8.6	6.1	7.3	7.2	4.5	5.3	7.6	5.8	6.8
12	6.7	4.0	5.3	8.1	6.4	7.5	7.3	5.3	6.4	7.9	6.3	7.1
13	4.9	2.2	3.7	8.1	6.0	7.1	7.5	4.1	6.1	7.8	6.8	7.3
14	6.2	3.3	4.3	9.1	5.9	7.6	7.4	5.7	6.6	8.3	6.6	7.6
15	6.2	3.4	5.1	8.9	4.4	7.5	7.8	5.2	6.6	8.1	6.5	7.1
16	7.6	4.9	7.1	7.4	4.6	6.2	8.6	5.1	7.0	7.6	6.5	6.9
17	7.4	3.0	5.7	5.8	3.5	5.2	8.0	5.9	7.1	7.9	6.8	7.2
18	6.7	2.7	4.5	5.0	2.0	3.6	5.9	4.4	5.0	7.8	7.1	7.3
19	6.8	4.3	5.7	6.1	2.5	4.6	4.6	4.2	4.3	8.0	7.1	7.5
20	7.8	5.8	7.1	6.3	3.6	5.6	5.2	4.4	4.8	8.3	7.6	7.9
21	7.4	4.7	6.7	5.5	4.2	4.6	5.2	4.7	5.0	8.4	7.6	8.0
22	---	---	---	5.3	2.9	4.1	6.1	5.1	5.4	8.6	7.8	8.3
23	---	---	---	5.0	2.7	3.8	6.8	5.1	6.1	8.6	7.9	8.3
24	---	---	---	6.2	4.2	5.1	6.9	5.4	6.0	8.3	7.5	7.8
25	7.5	5.9	6.6	5.0	3.6	4.5	7.4	6.1	6.6	8.1	7.3	7.6
26	6.9	4.1	5.5	5.0	3.2	4.1	7.7	5.2	6.1	8.7	7.2	8.0
27	7.8	4.0	6.7	4.6	2.6	3.3	7.8	5.2	6.6	8.1	7.3	7.7
28	7.9	5.1	7.0	5.8	2.3	4.4	7.8	5.7	6.8	8.1	7.2	7.7
29	7.7	5.7	6.8	7.7	4.1	6.2	7.1	5.7	6.4	7.7	6.9	7.2
30	7.8	5.7	7.0	7.3	4.0	5.7	6.5	5.1	5.8	7.9	6.9	7.4
31	---	---	---	7.5	4.5	5.6	6.1	5.2	5.7	---	---	---

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

SEDIMENT, SUSPENDED CONCENTRATION (MG/L), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	61	---	10	15	20	16	22	22	---	19	---
2	---	---	36	5	17	17	16	22	---	---	17	---
3	---	---	30	4	20	18	20	31	---	---	18	---
4	---	---	24	5	19	26	13	---	---	---	14	---
5	---	---	28	3	34	29	11	---	---	---	12	---
6	---	33	---	7	38	32	15	---	---	7	13	---
7	---	20	---	6	52	45	12	---	---	8	11	---
8	---	16	47	6	61	18	12	---	16	9	---	---
9	---	---	36	4	70	---	10	---	---	11	---	---
10	---	---	20	2	65	---	11	---	---	18	---	---
11	---	---	20	6	65	---	10	---	18	17	---	20
12	---	---	34	7	70	---	11	18	---	15	---	12
13	---	---	46	14	53	---	9	15	---	16	---	19
14	---	10	21	15	66	---	9	16	---	16	---	21
15	---	15	18	22	44	---	12	19	16	---	---	15
16	---	17	9	---	35	---	11	25	18	12	---	14
17	---	19	10	---	39	---	17	29	---	14	---	14
18	---	26	10	---	20	---	---	22	13	12	15	16
19	---	36	11	---	---	---	---	19	13	12	25	18
20	---	44	---	11	21	---	---	16	18	11	20	17
21	---	70	13	12	26	---	---	17	16	10	22	16
22	---	---	21	13	24	---	---	10	17	12	20	19
23	---	---	34	12	23	---	---	4	18	15	12	---
24	---	---	34	23	21	---	---	4	17	12	19	---
25	---	---	29	15	20	---	---	4	13	10	13	---
26	---	---	---	15	20	---	---	6	9	26	18	---
27	60	---	---	16	18	21	---	15	8	16	16	---
28	61	---	---	17	16	18	---	23	10	15	13	---
29	63	---	8	15	---	18	---	23	---	16	13	---
30	33	---	13	22	---	17	---	22	---	16	11	---
31	67	---	9	16	---	18	---	22	---	18	11	---

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN

LOCATION.--Lat 35°07'37", long 90°04'25", Shelby County, Hydrologic Unit 08010100, on left bank 50 ft (15 m) downstream from Harahan Bridge at Memphis, 1.3 mi (2.1 km) downstream from Beale Street gage, 3.5 mi (5.6 km) downstream from Wolf River, 62.4 mi (100.4 km) upstream from St. Francis River, and at mile 734.8 (1,182.3 km).

DRAINAGE AREA.--932,800 mi² (2,416,000 km²), approximately.

PERIOD OF RECORD.--Discharge: January 1933 to September 1979. Monthly discharge only for some periods, published in WSP 1311.

Gage heights: October 1934 to September 1951 and October 1952 to September 1978 in reports of Geological Survey. Since November 1871, at Beale Street gage, in reports of Mississippi River Commission, December 1890 to August 1932 at Beale Street gage, September 1932 to December 1934 at nonrecording gage 1,000 ft (305 m) downstream, and since December 1934 at water-stage recorder at present site, in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 183.91 ft (56.056 m) National Geodetic Vertical Datum of 1929. Prior to Apr. 16, 1934, Beale Street nonrecording gage 1.3 mi (2.1 km) upstream at present datum. Apr. 16 to Dec. 21, 1934, nonrecording gage 1,000 ft (305 m) downstream at present datum.

REMARKS.--Flow regulated by many locks, dams, and reservoirs upstream.

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--46 years, 474,700 ft³/s (13,400 m³/s), 343,900,000 acre-ft/yr (424 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1,980,000 ft³/s (56,100 m³/s) Feb. 8, 1937, maximum gage height, 48.69 ft (14.841 m) Feb. 10, 1937, minimum discharge, 79,200 ft³/s (2,240 m³/s) Aug. 26, 1936, minimum gage height -5.70 ft (-1.737 m) Sept. 21, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage prior to 1937, 46.55 ft (14.188 m) Apr. 9, 1913, at Beale Street gage or about 45.2 ft (13.78 m) at present site.

EXTREMES FOR WATER YEAR 1979.--Maximum discharge, 1,545,000 ft³/s (43,750 m³/s) Apr. 21; maximum gage height, 39.24 ft (11.960 m) Apr. 24; minimum daily discharge, 170,000 ft³/s (4,810 m³/s) Nov. 15.

NOTE.--Records for 1980 and 1981 water years will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	340000	228000	401000	632000	923000	1000000	1140000	1240000	592000	483000	575000	577000
2	332000	239000	429000	612000	915000	1050000	1190000	1170000	611000	464000	607000	599000
3	310000	234000	464000	612000	898000	1100000	1210000	1100000	634000	438000	625000	605000
4	285000	216000	489000	637000	866000	1170000	1250000	1070000	658000	400000	629000	606000
5	269000	199000	484000	679000	816000	1200000	1270000	1040000	665000	388000	634000	603000
6	259000	189000	509000	726000	743000	1240000	1300000	970000	659000	390000	632000	597000
7	249000	181000	571000	763000	663000	1270000	1320000	1000000	643000	389000	617000	576000
8	241000	175000	649000	787000	586000	1320000	1350000	1000000	609000	389000	587000	541000
9	236000	174000	702000	805000	523000	1370000	1390000	1010000	581000	388000	559000	507000
10	231000	175000	741000	823000	481000	1420000	1410000	1020000	567000	400000	538000	480000
11	222000	175000	788000	838000	444000	1480000	1430000	1020000	535000	407000	518000	457000
12	219000	176000	840000	853000	409000	1500000	1460000	1030000	535000	408000	504000	438000
13	218000	174000	879000	859000	387000	1510000	1460000	1030000	542000	403000	491000	427000
14	217000	171000	909000	861000	371000	1530000	1460000	1020000	552000	403000	475000	422000
15	221000	170000	930000	848000	360000	1520000	1450000	988000	554000	412000	478000	411000
16	234000	174000	947000	835000	348000	1500000	1460000	946000	544000	416000	478000	406000
17	251000	181000	957000	807000	341000	1490000	1480000	901000	531000	421000	483000	422000
18	261000	195000	963000	769000	342000	1470000	1490000	847000	516000	425000	486000	481000
19	266000	217000	970000	723000	350000	1450000	1510000	802000	498000	427000	476000	557000
20	272000	246000	974000	698000	369000	1440000	1530000	774000	456000	429000	450000	604000
21	276000	285000	981000	674000	401000	1430000	1540000	746000	440000	426000	415000	638000
22	261000	318000	974000	659000	442000	1400000	1540000	724000	419000	423000	368000	631000
23	235000	343000	964000	675000	498000	1390000	1540000	701000	405000	420000	342000	604000
24	222000	354000	941000	715000	553000	1360000	1530000	671000	409000	415000	346000	582000
25	209000	347000	897000	748000	634000	1320000	1490000	632000	426000	404000	385000	574000
26	199000	324000	849000	783000	741000	1280000	1470000	595000	439000	398000	428000	592000
27	192000	318000	794000	820000	844000	1240000	1430000	574000	459000	404000	470000	625000
28	184000	322000	745000	853000	928000	1210000	1380000	562000	479000	417000	503000	647000
29	182000	347000	704000	884000	---	1180000	1350000	566000	479000	430000	523000	652000
30	192000	375000	669000	900000	---	1160000	1300000	570000	484000	460000	541000	651000
31	209000	---	643000	916000	---	1140000	---	576000	---	521000	562000	---
TOTAL	7494000	7222000	23757000	23794000	16176000	41140000	42130000	26895000	15921000	12998000	15725000	16512000
MEAN	241700	240700	766400	767500	577700	1327000	1404000	867600	530700	419300	507300	550400
MAX	340000	375000	981000	916000	928000	1530000	1540000	1240000	665000	521000	634000	652000
MIN	182000	170000	401000	612000	341000	1000000	1140000	562000	405000	388000	342000	406000
AC-FT	14860000	14320000	47120000	47200000	32090000	81600000	83560000	53350000	31580000	25780000	31190000	32750000
CAL YR 1978	TOTAL	192550000	MEAN	527500	MAX	1320000	MIN	170000	AC-FT	381900000		
WTR YR 1979	TOTAL	249764000	MEAN	684300	MAX	1540000	MIN	170000	AC-FT	495400000		

MISSISSIPPI RIVER MAIN STEM

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07032000 MISSISSIPPI RIVER AT MEMPHIS, TN--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.70	1.10	9.00	16.40	24.40	25.90	30.90	34.70	18.00	13.20	16.50	16.00
2	6.40	2.00	10.20	15.80	24.20	27.00	31.90	33.50	18.60	12.50	17.50	16.70
3	5.40	2.20	11.40	15.80	23.80	28.10	32.30	32.10	19.30	11.50	18.00	16.90
4	4.00	1.30	12.70	16.60	23.00	29.60	32.90	31.20	20.00	10.00	18.10	16.90
5	3.10	.60	12.30	17.90	21.70	30.30	33.30	30.10	20.20	9.50	18.20	16.80
6	2.50	-.70	13.00	19.30	19.70	31.10	33.80	28.30	20.00	9.60	18.10	16.60
7	2.00	-1.30	15.00	20.40	17.30	31.80	34.20	28.70	19.50	9.60	17.60	16.00
8	1.40	-1.90	17.50	21.10	14.90	33.00	34.70	28.60	18.40	9.60	16.60	14.90
9	1.00	-2.10	19.30	21.60	12.80	34.10	35.40	28.60	17.50	9.60	15.60	13.80
10	.70	-2.00	20.40	22.10	11.30	35.30	35.70	28.70	17.00	10.10	14.90	12.90
11	.20	-2.00	21.70	22.50	9.90	36.50	36.00	28.70	15.90	10.40	14.20	12.10
12	-.10	-2.00	23.00	22.90	8.50	37.10	36.40	28.90	15.90	10.50	13.70	11.30
13	-.20	-2.00	24.00	23.10	7.60	37.40	36.50	28.80	16.10	10.30	13.20	10.80
14	-.40	-2.30	24.70	23.20	6.90	37.70	36.60	28.40	16.40	10.30	12.60	10.50
15	-.40	-2.40	25.30	22.90	6.40	37.60	36.60	27.80	16.40	10.70	12.70	10.00
16	.10	-2.40	25.60	22.60	5.90	37.30	36.90	26.90	16.00	10.90	12.70	9.70
17	1.00	-1.90	25.90	21.90	5.50	37.10	37.30	25.90	15.50	11.10	12.90	10.30
18	1.80	-1.50	25.90	20.90	5.50	36.80	37.70	24.60	14.90	11.30	13.00	12.60
19	2.50	.00	26.00	19.60	5.80	36.60	38.20	23.50	14.20	11.40	12.60	15.30
20	3.10	1.10	26.00	18.70	6.60	36.40	38.70	22.80	12.60	11.50	11.60	16.90
21	3.60	3.30	26.10	17.80	7.90	36.20	39.00	22.10	11.90	11.40	10.20	18.00
22	3.30	5.00	25.90	17.20	9.50	35.80	39.00	21.50	11.00	11.30	8.20	17.80
23	2.10	6.50	25.70	17.50	11.60	35.60	39.10	20.90	10.40	11.20	7.00	17.00
24	1.40	7.30	25.10	18.70	13.50	35.10	39.10	20.10	10.50	11.00	7.20	16.30
25	.60	7.40	24.10	19.70	16.10	34.40	38.70	19.00	11.10	10.50	8.90	16.10
26	.00	6.10	22.80	20.70	19.30	33.70	38.40	17.90	11.60	10.20	10.70	16.70
27	-.30	5.80	21.30	21.70	22.10	33.00	37.80	17.30	12.30	10.40	12.30	17.80
28	-1.00	5.60	20.00	22.60	24.20	32.50	37.00	17.00	13.00	10.90	13.50	18.50
29	-1.40	6.70	18.70	23.40	---	31.90	36.40	17.20	13.00	11.40	14.20	18.70
30	-1.10	8.00	17.60	23.80	---	31.40	35.70	17.30	13.20	12.50	14.80	18.70
31	-.10	---	16.80	24.20	---	31.10	---	17.50	---	14.70	15.50	---
MEAN	1.55	1.50	20.42	20.41	13.78	33.79	36.21	25.12	15.35	10.94	13.64	15.09
MAX	6.70	8.00	26.10	24.20	24.40	37.70	39.10	34.70	20.20	14.70	18.20	18.70
MIN	-1.40	-2.40	9.00	15.80	5.50	25.90	30.90	17.00	10.40	9.50	7.00	9.70

CAL YR 1978 MEAN 12.72 MAX 34.10 MIN -2.40
WTR YR 1979 MEAN 17.35 MAX 39.10 MIN -2.40

YAZOO RIVER BASIN

07268000 LITTLE TALLAHATCHIE RIVER AT ETTA, MS

LOCATION.--Lat 34°29'00", long 89°13'30", in SE¼SW¼ sec.8, T.7 S., R.1 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, on right bank at downstream side of bridge on State Highway 30, 0.8 mi (1.3 km) northeast of Etta, 3.8 mi (6.1 km) upstream from Puskus Creek, 5.0 mi (8.0 km) downstream from Locks Creek, 12.3 mi (19.8 km) west of New Albany, and 55.0 mi (88.5 km) upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--526 mi² (1,362 km²).

PERIOD OF RECORD.--September 1938 to current year. November 1936 to May 1937 (gage heights and discharge measurements only) in reports of Corps of Engineers, Vicksburg district. Prior to October 1971 published as Tallahatchie River at Etta.

REVISED RECORDS.--WSP 897: Drainage area. WSP 1211: 1948, 1949(M).

GAGE.--Water-stage recorder. Datum of gage is 273.48 ft (83.357 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Nov. 23, 1936, to May 31, 1937, nonrecording gage at same site at datum 5.33 ft (1.625 m) higher. Sept. 24, 1938, to Mar. 16, 1939, nonrecording gage; Mar. 17, 1939, to Aug. 25, 1952, water-stage recorder; and Aug. 26, 1952, to June 22, 1953, nonrecording gage; all at same site. Sept. 24, 1938, to Sept. 30, 1952, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--43 years, 844 ft³/s (23.90 m³/s), 21.79 in/yr (553 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 79,000 ft³/s (2,240 m³/s) Mar. 22, 1955, gage height, 29.32 ft (8.937 m); minimum, 4.1 ft³/s (0.12 m³/s) Oct. 3, 16, 1938.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,630 ft³/s (216 m³/s) Feb. 1, gage height, 22.49 ft (6.855 m), no peak above base of 16,000 ft³/s (453 m³/s); minimum daily, 22 ft³/s (0.62 m³/s) Aug. 17.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116	60	141	71	3250	150	3800	114	1820	457	34	349
2	69	58	133	68	4140	161	922	100	1190	155	32	2270
3	54	56	111	66	852	132	454	92	950	1470	31	617
4	47	54	99	68	499	1960	361	87	1310	136	31	165
5	43	52	97	59	369	2060	457	82	528	2960	30	94
6	40	49	97	65	320	604	302	84	659	2330	28	70
7	39	47	93	131	284	371	248	85	1130	297	32	60
8	39	47	89	98	271	277	224	81	449	160	33	51
9	40	47	98	80	228	226	349	78	234	121	29	46
10	41	47	108	73	416	199	416	158	168	111	26	42
11	40	47	93	68	617	180	260	146	570	402	25	40
12	38	46	86	71	254	160	212	99	573	112	24	39
13	37	45	87	80	226	149	194	82	201	84	24	38
14	39	793	81	88	222	138	171	80	139	72	25	46
15	55	1320	78	78	209	128	150	81	112	67	24	78
16	44	228	80	75	212	212	141	68	100	60	23	62
17	61	3110	80	62	675	149	144	2020	100	108	22	45
18	79	2180	75	68	565	142	173	1170	85	575	31	38
19	69	454	76	69	354	152	147	359	79	87	99	35
20	48	265	69	80	273	119	347	224	82	57	42	34
21	44	205	61	342	222	107	228	165	73	611	36	33
22	43	171	69	194	209	313	155	133	65	126	35	32
23	43	165	72	136	196	397	466	116	60	61	34	32
24	43	178	84	116	165	214	387	100	56	52	30	29
25	47	158	98	106	146	165	190	244	53	47	28	29
26	47	146	82	100	139	144	147	3150	75	46	27	28
27	71	1390	78	95	132	126	126	3120	51	40	27	28
28	518	400	75	92	126	116	115	553	47	38	41	38
29	122	222	73	85	---	139	228	297	44	43	250	26
30	76	163	76	82	---	4640	170	214	858	39	211	24
31	64	---	72	76	---	1140	---	700	---	36	112	---
TOTAL	2156	12203	2711	2942	15571	15170	11684	14082	11861	10960	1486	4518
MEAN	69.5	407	87.5	94.9	556	489	389	454	395	354	47.9	151
MAX	518	3110	141	342	4140	4640	3800	3150	1820	2960	260	2270
MIN	37	45	61	59	126	107	115	68	44	36	22	24
CFSM	.13	.77	.17	.18	1.06	.93	.74	.86	.75	.67	.09	.29
IN.	.15	.86	.19	.21	1.10	1.07	.83	1.00	.84	.78	.11	.32

CAL YR 1980 TOTAL 327541 MEAN 895 MAX 27200 MIN 23 CFSM 1.70 IN 23.16
WTR YR 1981 TOTAL 105344 MEAN 289 MAX 4640 MIN 22 CFSM .55 IN 7.45

07272000 SARDIS LAKE NEAR SARDIS, MS

LOCATION.--Lat 34°23'57", long 89°47'10", in NE¼SW¼ sec.12, T.8 S., R.6 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030201, in gagehouse of dam of Little Tallahatchie River, 7.5 mi (12.1 km) southeast of Sardis, and 25.7 mi (41.4 km) upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--1,545 mi² (4,002 km²).

PERIOD OF RECORD.--September 1939 to September 1980. Prior to October 1970 published as Sardis Reservoir near Sardis.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1958, at datum 219.43 ft (66.882 m) NGVD.

REMARKS.--Reservoir is formed by hydraulic-fill earth dam, with concrete spillway and outlet tunnel on opposite ends of dam. Storage began Aug. 26, 1939; dam completed Aug. 1, 1940. Capacity, 1,569,900 acre-ft (1,940 hm³) at elevation 281.4 ft (85.77 m), crest of spillway, of which about 1,461,900 acre-ft or 1,800 hm³ is available for flood-control storage and about 108,000 acre-ft (133 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 236.0 ft (71.93 m), 16.6 ft (5.06 m) above sill of outlet tunnel. Water below elevation 219.4 ft (66.87 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Elevation and contents furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,840,700 acre-ft (2,270 hm³) Apr. 28, 1973, elevation, 285.83 ft (87.121 m); minimum since initial filling of reservoir to conservation level, 47,900 acre-ft (59.1 hm³) Oct. 3, 1941, elevation, 228.93 ft (69.778 m).

EXTREMES FOR WATER YEAR 1980.--Maximum contents, 1,380,400 acre-ft (1,700 hm³) Apr. 20, elevation, 278.07 ft (84.756 m); minimum, 378,900 acre-ft (467 hm³) Sept. 28, elevation, 251.80 ft (76.749 m).

Capacity table (elevation in feet, and contents, in thousands of acre-feet)

235	97.6	265	787.2
240	157.1	270	988.2
245	235.8	275	1220.7
250	336.2	280	1487.5
255	462.2	282	1603.4
260	612.5		

NOTE.--Record for 1981 water year will be published in a subsequent report.

RESERVOIR STORAGE (AC-FT), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	988200	711800	862100	834800	724300	562300	1170500	1342900	1111900	983900	766800	510700
2	979600	704800	861300	830500	721400	554500	1174400	1336500	1100300	983900	757600	500600
3	970200	698200	859000	826700	717900	545600	1176400	1330100	1090500	983900	748400	498600
4	961300	691600	855500	820500	713900	536200	1177400	1323200	1081300	979600	739400	493100
5	943500	684700	851000	815200	709700	527200	1176900	1315900	1073000	977500	730400	486000
6	943500	677100	840500	809100	704100	520100	1174900	1308600	1064400	977500	721400	480900
7	934400	669600	841800	802700	698900	513300	1172000	1300700	1056300	973600	714300	474700
8	925300	660800	836000	797000	693400	510100	1167100	1292400	1049500	966800	707300	468600
9	912100	650900	830500	791360	687800	518600	1162300	1284700	1046400	958300	700300	462800
10	903100	643800	823900	785700	683300	540100	1157500	1275900	1038300	949800	693400	457300
11	894200	642500	817100	780100	679500	551700	1152300	1267600	1033300	939300	684700	450800
12	884900	642200	809500	775700	676400	557000	1157000	1259000	1028900	931100	677800	444500
13	876500	641800	805700	773100	673700	561300	1205400	1250900	1024500	922800	669200	439400
14	868500	639800	805300	771200	669600	567200	1268100	1242800	1020100	914600	660800	432400
15	859000	636500	811400	779000	665500	572200	1321100	1235300	1015300	906400	652300	426900
16	849600	631200	812900	766800	661100	573500	1348200	1227200	1010500	897800	643800	419600
17	840200	625600	813300	763800	656700	605400	1357300	1220200	1005600	889400	638500	415700
18	830900	619400	812100	760100	651600	679200	1364200	1212800	1001700	880900	625600	414100
19	821700	612500	809500	756500	644800	758300	1373900	1205400	997800	872100	617400	410200
20	812100	605100	806100	772300	637900	796600	1379900	1198000	993900	864100	609600	406100
21	802300	597400	801900	748400	631600	859400	1380400	1190600	989900	856200	601200	401600
22	792900	589700	797000	744400	624700	939800	1380400	1183300	985200	848400	593200	397800
23	782700	584900	791700	740800	618100	985100	1378800	1176900	980000	840600	583600	394800
24	774200	609900	788300	739000	611200	1011300	1375500	1171500	974100	832900	575700	390300
25	765700	664100	798100	737900	604400	1028900	1371700	1164700	971100	825100	567900	386300
26	757600	723200	826300	737900	593200	1046400	1368000	1159000	978300	817500	557000	385000
27	749100	795100	841000	737600	584600	1055800	1363700	1152300	979600	809900	547700	380100
28	740400	843700	842600	736100	554800	1069400	1358900	1145100	979600	802300	538600	378900
29	732200	858600	842200	734000	569100	1098400	1354100	1137400	979600	794700	531700	379600
30	725400	862100	840600	731100	---	1137900	1348700	1129300	979600	785300	524900	384300
31	718600	---	838300	727900	---	1158500	---	1120800	---	776000	518000	---
MAX	988200	862100	862100	834800	724300	1158500	1380400	1342900	1111900	983900	766800	510700
MIN	718600	584900	788300	727900	554800	510100	1152300	1120800	971100	776000	518000	378900
†	263.00	266.95	266.28	263.32	258.49	273.91	277.41	272.81	269.90	264.52	256.79	252.08
‡	-276500	+147800	-26100	-110300	-161300	+602700	+177900	-230300	-130800	-214500	-256300	-127300
CAL YR 1979	MAX	1553600	MIN	268900	‡	+579500						
WTR YR 1980	MAX	1380400	MIN	378900	‡	-605000						

† Elevation, in feet, at 2400, on last day of month.

‡ Change in contents, in acre-feet.

YAZOO RIVER BASIN

07272500 LITTLE TALLAHATCHIE RIVER AT SARDIS DAM, NEAR SARDIS, MS

LOCATION.--Lat 34°23'57", long 89°47'10", in SW¼ sec.12, T.8 S., R.6 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030201, in gage house of Sardis Dam, 7.5 mi (12.1 km) southeast of Sardis, and 25.7 mi (41.4 km) upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--1,545 mi² (4,002 km²).

PERIOD OF RECORD.--January 1940 to September 1980. Prior to October 1972 published as Tallahatchie River at Sardis Dam, near Sardis.

REVISED RECORDS.--WSP 1147: 1946(M). WSP 1711: 1942(M).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 1, 1948, at site 300 ft (91 m) downstream at datum 194.43 ft (59.262 m) NGVD. Jan. 1, 1948, to Sept. 30, 1958, at present site and datum 219.43 ft (66.882 m) NGVD.

REMARKS.--Flow completely regulated by Sardis Lake (see station 07272000).

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--40 years, 2,361 ft³/s (66.86 m³/s), 20.75 in/yr (527 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,900 ft³/s (337 m³/s) Apr. 28, 1973; minimum, no flow at times each year prior to 1959.

EXTREMES FOR WATER YEAR 1980.--Maximum daily discharge, 5,550 ft³/s (157 m³/s) Feb. 29, minimum discharge, 15 ft³/s (0.42 m³/s) at times.

NOTE.--Records for 1981 water year will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5250	4800	5100	5350	5200	5500	1050	5400	5300	350	4450	3800
2	5200	4750	5100	5350	5200	5500	2100	5400	5300	350	4450	3700
3	5200	4750	5100	5350	5200	5450	2700	5400	5300	1200	4400	3450
4	5200	4750	5100	5350	5250	5450	3950	5350	5300	1750	4400	3400
5	5200	4900	5100	5300	5300	5400	5000	5350	5250	1750	4400	3400
6	5200	5100	5200	5300	5350	5400	5000	5350	3350	1750	4500	3350
7	5150	5050	5200	5300	5400	3700	5050	5350	2000	3050	4450	3350
8	5100	5000	5200	5250	5400	2700	5150	5350	2000	4450	4450	3350
9	5150	2900	5200	5250	4950	2750	5150	5350	2000	4400	4450	3350
10	5200	300	5250	5250	4950	2850	5150	5300	2000	4350	4400	3350
11	5150	2200	5300	5250	5150	2800	3500	5300	2000	4450	4400	3100
12	5150	4400	3400	5200	5350	2800	15	5300	2250	4500	4400	3350
13	5150	5000	2250	5200	5350	3200	15	5250	2950	4500	4350	3300
14	5100	4950	5300	5200	5300	3650	15	5250	2950	4450	4300	3300
15	5100	4950	5300	5200	5200	3650	15	5250	2950	4450	4350	3150
16	5050	4950	5300	5200	5050	3000	15	4650	3400	4500	4500	2450
17	5150	4950	5300	5200	5000	15	750	5300	3750	4500	4450	2450
18	5200	4900	5300	5250	5000	650	2450	5300	3750	4500	4450	2450
19	5200	5050	5300	5300	5150	750	4350	5200	4150	4500	4400	2400
20	5200	5050	5300	5300	5300	15	5100	5200	4500	4450	4400	2400
21	5200	5000	5300	5300	5300	15	5100	5200	4500	4450	4400	2350
22	5100	4550	5300	5300	5350	15	5100	4200	4500	4450	4450	2350
23	4950	900	4800	5300	5450	15	5150	5200	4550	4450	4400	2350
24	4900	15	3000	5300	5400	450	5250	5150	1450	4450	4400	2350
25	4900	15	3000	5300	5400	1200	5250	5150	15	4400	4400	2350
26	4900	15	3750	5300	5450	1250	5250	5150	15	4350	4350	2350
27	4900	550	5350	5250	5500	1250	5250	5150	150	4350	4300	2350
28	4850	2250	5350	5300	5500	1250	5250	5150	350	4400	4100	2250
29	4800	4000	5350	5350	5550	500	5300	5350	350	4500	3800	1150
30	4800	4700	5350	5250	---	15	5400	5350	350	4500	3800	15
31	4800	---	5350	5150	---	15	---	5300	---	4450	3800	---
TOTAL	157400	110695	151500	163450	152950	71205	108825	161950	86680	116950	134550	82715
MEAN	5077	3690	4887	5273	5274	2297	3628	5224	2889	3773	4340	2757
MAX	5250	5100	5350	5350	5550	5500	5400	5400	5300	4500	4500	3800
MIN	4800	15	2250	5150	4950	15	15	4200	15	350	3800	15
†	-4497	+2484	-424	-1794	-2804	+9802	+2990	-3745	-2198	-3488	-4168	-2139
CAL YR 1979 TOTAL	1250105	MEAN	3425	MAX	5350	MIN	15	†	+800			
WTR YR 1980 TOTAL	1498870	MEAN	4095	MAX	5550	MIN	15	†	-833			

† Change in contents, equivalent in cubic feet per second, in Sardis Lake (see station 0727200).

LOCATION.--Lat 34°16'23", long 89°31'11", in SE¼NW¼ sec.28, T.9 S., R.3 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030203, near left bank on downstream end of pier cap of bridge on State Highway 7, 1.5 mi (2.4 km) downstream from Burney Branch, 6 mi (10 km) south of Oxford, and at mi 42.3 (68.1 km).

PERIOD OF RECORD.--October 1951 to current year in reports of Geological Survey. May 1946 to September 1951 in reports of Corps of Engineers, Vicksburg district.

REMARKS.--Records fair. Doubtful gage-height record July 31 to Sept. 19.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,100 ft³/s (1,250 m³/s) Mar. 21, 1955, gage height, 28.72 ft (8.754 m), present datum, from rating curve extended above 22,000 ft³/s (623 m³/s); minimum, 4.4 ft³/s (0.12 m³/s) Sept. 14, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,190 ft³/s (62.0 m³/s) Mar. 30, gage height, 12.33 ft (3.758 m); minimum daily, 8.6 ft³/s (0.24 m³/s) Aug. 15.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124	41	144	45	610	93	1390	45	91	91	14	100
2	96	39	134	42	927	95	775	40	472	120	13	340
3	66	39	107	40	1010	90	468	36	694	43	12	100
4	62	38	80	37	729	571	337	34	443	35	11	50
5	53	36	76	34	506	915	297	34	167	271	10	28
6	45	36	72	33	318	651	233	34	138	502	18	20
7	41	36	69	157	233	467	182	33	240	91	15	17
8	36	35	68	86	234	268	155	33	159	39	14	16
9	32	34	73	73	223	209	169	34	112	37	13	15
10	30	35	72	62	460	177	165	68	97	49	12	14
11	30	35	68	54	353	153	141	54	80	98	11	13
12	27	34	65	48	318	137	124	43	64	49	10	13
13	27	34	62	40	236	127	118	37	91	42	9.6	12
14	33	111	59	43	136	119	105	38	78	34	9.4	12
15	28	211	60	52	114	123	90	38	55	27	9.0	38
16	27	98	59	51	107	151	81	35	49	20	8.8	20
17	43	1010	57	48	342	126	95	217	44	20	8.6	16
18	79	738	55	47	228	118	110	127	35	26	29	14
19	39	327	55	48	181	110	91	76	27	21	20	13
20	35	173	53	57	162	104	85	55	116	163	17	12
21	33	128	52	215	128	98	87	45	35	105	15	11
22	31	109	48	120	114	152	79	37	39	54	13	11
23	30	110	46	95	120	165	90	32	31	40	12	10
24	29	108	79	83	101	144	78	44	27	28	11	10
25	29	99	100	73	93	118	65	137	30	44	44	10
26	29	109	83	66	92	106	57	954	34	55	82	9.8
27	100	534	76	64	85	97	52	863	26	32	50	9.5
28	179	361	60	60	83	94	47	403	22	22	15	12
29	93	220	53	59	---	194	45	185	18	17	58	12
30	57	159	50	54	---	1630	42	122	16	12	48	10
31	47	---	48	51	---	888	---	101	---	15	32	---
TOTAL	1610	5077	2183	2037	8243	8490	5853	4034	3530	2202	644.4	968.3
MEAN	51.9	169	70.4	65.7	294	274	195	130	118	71.0	20.8	32.3
MAX	179	1010	144	215	1010	1630	1390	954	694	502	82	340
MIN	27	34	46	33	83	90	42	32	16	12	8.6	9.5
CFSM	.20	.65	.27	.25	1.12	1.05	.74	.50	.45	.27	.08	.12
IN.	.23	.72	.31	.29	1.17	1.21	.83	.57	.50	.31	.09	.14
CAL YR 1980	TOTAL	164710.0	MEAN	450	MAX	8300	MIN	20	CFSM	1.72	IN	23.39
WTR YR 1981	TOTAL	44871.7	MEAN	123	MAX	1630	MIN	8.6	CFSM	.47	IN	6.37

YAZOO RIVER BASIN

07274500 ENID LAKE NEAR ENID, MS

LOCATION.--Lat 34°09'29", long 89°54'14", in SW¼NE¼ sec.2, T.11 S., R.7 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, in gatehouse of dam on Yocona River, 0.8 mi (1.3 km) upstream from U.S. Highway 51, 2.8 mi (4.5 km) upstream from Illinois Central Railroad bridge, 3.2 mi (5.1 km) northeast of Enid, and 13.5 mi (21.7 km) upstream from the mouth of Yocona River.

DRAINAGE AREA.--560 mi² (1,450 km²).

PERIOD OF RECORD.--July 1951 to September 1980. Prior to October 1970, published as Enid Reservoir near Enid.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to May 24, 1952, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 200.00 ft (60.960 m) NGVD.

REMARKS.--Reservoir is formed by rolled-filled earth dam with concrete spillway and outlet tunnel. Storage began July 16, 1951. Capacity, 660,000 acre-ft (814 hm³) at elevation 268.0 ft (81.69 m), crest of spillway, of which about 602,400 acre-ft (743 hm³) is available for flood control and about 57,600 acre-ft (71.0 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 230.0 ft (70.10 m), 25 ft (7.6 m) above sill of outlet tunnel. Water below elevation 205.0 ft (62.48 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Records furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 752,000 acre-ft (927 hm³) Apr. 28, 1973, elevation, 271.15 ft (82.647 m); minimum since initial filling of reservoir to conservation level, 480 acre-ft (0.592 hm³) Sept. 23 to Oct. 7, 1952; minimum elevation, 207.10 ft (63.124 m) Oct. 3-7, 1952.

EXTREMES FOR WATER YEAR 1980.--Maximum contents, 631,900 acre-ft (779 hm³) Apr. 19, elevation, 266.98 ft (81.376 m); minimum, 105,100 acre-ft (130 hm³) Nov. 22, elevation, 236.39 ft (72.052 m).

Capacity table (elevation in feet, and contents, in thousands of acre-feet)

229	51.7	250	270.0
230	57.6	255	358.2
235	93.4	260	460.2
240	139.4	265	579.5
245	197.3	268	660.0

NOTE.--Records for 1981 water year will be published in a subsequent report.

RESERVOIR STORAGE (AC-FT), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	290700	164400	198800	130200	212300	200900	512400	604800	544000	506300	449300	352200
2	286300	160900	196300	128700	211700	200600	514000	600100	539800	505600	446700	347900
3	282800	156700	188500	128800	210600	201300	517000	594900	536400	504200	442600	344200
4	278500	152200	197000	130000	209200	211500	518200	589600	532700	503300	440000	338800
5	277100	148300	179000	131400	207900	202100	519200	584200	529000	502300	437200	333600
6	270500	143700	177900	132600	206200	203600	520100	581700	524700	501200	434100	328200
7	267300	138500	174100	133600	207000	205400	520100	573100	522800	500000	431300	322700
8	263200	137200	169000	135500	208000	238300	516800	567800	520800	497500	425400	317200
9	260000	132400	163800	136700	211600	250400	515800	562700	518700	495200	425900	311900
10	257000	139400	158800	137900	216300	252200	513900	556900	516100	492800	423400	306400
11	252200	142200	153600	147400	218500	253300	510400	552900	514400	490100	420100	302400
12	247800	140900	148500	158000	218200	257300	545600	549600	512300	487600	417000	294500
13	243700	139200	148200	161700	216400	266800	566500	546200	509900	484800	413900	288500
14	239200	133400	147600	164500	214000	270000	598500	545900	507700	482100	411000	282500
15	234800	133100	143900	166700	211800	271500	612800	544900	505400	480200	408000	276900
16	230400	129900	140500	168100	209100	271800	619200	546900	503000	477500	404900	271000
17	226100	126000	136000	169700	206700	303600	622700	547700	501900	474900	402100	267900
18	221800	121600	131100	171400	203900	331500	627500	547400	499800	472200	399200	262400
19	217500	118000	126000	173900	201300	344200	631900	547400	498600	471100	395800	256700
20	213200	114200	121300	175500	198400	359200	631600	547400	500000	468900	393000	250700
21	208800	109900	116400	177100	197600	398400	629400	547200	498900	466900	389800	243800
22	204600	106000	111500	180200	198000	420900	627300	547200	497200	466200	386900	239300
23	201000	118600	107700	189300	198400	428200	625400	553300	495200	468000	383300	234000
24	196800	144900	117600	195500	198200	436400	622400	553600	501600	467500	380400	228100
25	192200	160800	128100	198800	198200	446900	620800	553300	507300	466900	377200	223100
26	187900	186000	134100	201900	198900	452300	621900	553100	508200	464600	374100	218500
27	183600	202600	135300	203900	199000	455800	619800	552600	508500	462200	370800	212500
28	179000	206800	135400	205800	199300	474000	616500	551900	508000	459800	367400	209000
29	175400	204200	132500	207000	200500	491000	613900	550400	507500	457600	364300	209700
30	171800	201400	133300	208600	---	502300	610100	548600	507300	454200	360300	219700
31	168600	---	132000	211600	---	507700	---	546200	---	452300	356300	---
MAX	290700	206800	198800	211600	218500	507700	631900	604800	544000	506300	449300	352200
MIN	168600	106000	107700	128700	157600	200600	510400	544900	495200	452300	356300	209000
†	242.34	245.20	239.15	246.13	245.25	262.23	266.04	263.60	262.05	259.52	254.52	245.99
‡	-127300	+35100	-69000	+81500	-11800	+310500	+95600	-62500	-37400	-57100	-96000	-143200

CAL YR 1979 MAX 635300 MIN 106000 † +10500
WTR YR 1980 MAX 631900 MIN 106000 ‡ -67700

† Elevation, in feet, at 2400, on last day of month.
‡ Change in contents, in acre-feet.

07275000 YOCONA RIVER AT ENID DAM, NEAR ENID, MS

LOCATION.--Lat 34°09'29", long 89°54'14", in SW¼NE¼ sec.2, T.11 S., R.7 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, in gatehouse at Enid Dam, 0.8 mi (1.3 km) upstream from U.S. Highway 51, 2.8 mi (4.5 km) upstream from Illinois Central Railroad bridge, 3.2 mi (5.1 km) northeast of Enid, and 13.5 mi (21.7 km) upstream from mouth.

DRAINAGE AREA.--560 mi² (1,450 km²).

PERIOD OF RECORD.--July 1928 to September 1980. Prior to October 1951, published as Yocona River near Enid. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1281: 1929, 1945. WSP 1511: 1929(M).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to July 14, 1939, nonrecording gage and July 14, 1939, to Aug. 19, 1940, water-stage recorder at site 150 ft (46 m) downstream from bridge on U.S. Highway 51, 0.8 mi (1.3 km) downstream. Aug. 20, 1940, to July 15, 1951, water-stage recorder at bridge on U.S. Highway 51. July 16, 1951, to May 23, 1952, nonrecording gage at present site. Prior to July 16, 1951, at datum 189.42 ft (57.735 m) NGVD July 16, 1951, to Sept. 30, 1958, at datum 200.00 ft (60.960 m) NGVD.

REMARKS.--Flow completely regulated by Enid Lake since July 16, 1951 (see station 07274500).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

AVERAGE DISCHARGE.--52 years, 873 ft³/s (24.72 m³/s), 21.17 in/yr (538 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,300 ft³/s (1,030 m³/s) Feb. 14, 1948, gage height, 21.61 ft (6.587 m), site and datum then in use; maximum discharge since July 1951, when regulation began, 6,060 ft³/s (172 m³/s) Dec. 28, 1951; minimum, no flow at times each year July 1951 to December 1958; minimum discharge prior to construction of Enid Dam, 34 ft³/s (0.96 m³/s) Sept. 28, 1931, but may have been less during periods of estimated record October to December 1931.

EXTREMES FOR WATER YEAR 1980.--Maximum daily discharge, 3,050 ft³/s (86.4 m³/s) Apr. 30, June 2; minimum, 5.0 ft³/s (0.14 m³/s) at times.

NOTE.--Records for 1981 water year will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2200	2200	3000	1450	1300	150	100	3000	1600	550	1400	1950
2	2200	2300	2950	1020	1300	150	200	3000	3050	550	1450	2050
3	2200	2300	2950	150	1300	150	400	3000	2000	550	1400	2300
4	2150	2250	2950	150	1300	150	500	3000	1950	550	1400	2700
5	2150	2250	3050	150	1300	150	500	3000	1950	550	1400	2650
6	2100	2250	3050	150	800	150	500	3000	1350	550	1400	2650
7	2100	1900	3000	150	400	70	900	3000	1000	800	1400	2650
8	2000	1550	3000	150	400	650	1600	3000	1000	1050	1450	2600
9	2100	1350	3000	150	400	1650	1700	3000	1000	1050	1400	2600
10	2250	350	2950	150	400	1650	2100	3000	1000	1050	1400	2350
11	2250	1100	2950	150	1000	1000	2000	2350	1000	1100	1400	2950
12	2250	1450	2950	150	1950	1000	800	2000	1000	1150	1400	2900
13	2250	1850	2950	150	1950	1000	5	1500	1000	1150	1400	2900
14	2250	2200	2950	150	1950	1000	5	500	1000	1150	1400	2900
15	2250	2200	2950	150	1900	1000	5	500	1000	1150	1400	2900
16	2200	2200	3050	150	1900	500	5	500	1000	1150	1400	2350
17	2200	2200	3000	150	1900	5	200	500	1000	1150	1400	2650
18	2200	2200	2950	150	1900	250	900	500	1000	1150	1400	2850
19	2200	2250	2950	150	1900	300	2050	500	1000	1150	1400	2800
20	2200	2300	3000	150	1550	5	2450	500	1000	1150	1400	2800
21	2200	2300	3000	150	350	5	2450	500	1000	1050	1400	2800
22	2300	2150	3000	150	350	5	2050	500	1000	400	1400	2800
23	2300	500	3000	150	350	5	1650	500	1000	400	1400	2800
24	2250	5	1950	150	350	5	2450	500	300	400	1350	2800
25	2250	5	1450	150	300	5	2450	500	5	700	1350	2750
26	2250	250	1450	150	150	5	2450	500	5	1150	1550	2750
27	2250	1550	1450	150	150	5	2450	500	150	1150	1650	2750
28	2250	2700	1450	150	150	5	2400	1000	350	1150	1650	1150
29	2250	3000	1450	150	150	5	2600	1050	350	1150	1750	5
30	2200	3000	1450	150	---	5	3050	1200	400	1200	2000	5
31	2200	---	1450	600	---	5	---	1600	---	1350	2000	---
TOTAL	68400	54110	80700	7270	29100	11035	40920	47700	30460	28800	45600	73110
MEAN	2206	1864	2603	235	1003	356	1364	1539	1015	929	1471	2437
MAX	2300	3000	3050	1450	1950	1650	3050	3000	3050	1350	2000	2950
MIN	2000	5.0	1450	150	150	5.0	5.0	500	5.0	400	1350	5.0
†	-2070	+590	-1122	+1325	-205	+5050	+1007	-1016	-629	-929	-1561	-2407
CAL YR 1979	TOTAL	573740.0	MEAN	1572	MAX	3050	MIN	5.0	†	+14.5		
WTR YR 1980	TOTAL	517205.0	MEAN	1413	MAX	3050	MIN	5.0	†	-93.3		

† Change in contents, equivalent in cubic feet per second, in Enid Lake (see station 07274500).

YAZOO RIVER BASIN

07278000 ARKABUTLA LAKE NEAR ARKABUTLA, MS

LOCATION.--Lat 34°45'26", long 90°07'27", in SW¼ sec.2, T.4 S., R.9 W., Chickasaw Meridian, De Soto County, Hydrologic Unit 08030204, in gatehouse of dam on Coldwater River, 4.5 mi (6.9 km) north of Arkabutla, and 54.3 mi (87.4 km) upstream from the mouth of Coldwater River.

DRAINAGE AREA.--1,000 mi² (2,590 km²), approximately.

PERIOD OF RECORD.--August 1941 to September 1980. Prior to October 1970 published as Arkabutla Reservoir near Arkabutla.

REVISED RECORDS.--WSP 1007: 1941. WSP 1241: 1947.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 191.18 ft (58.272 m) NGVD.

REMARKS.--Reservoir is formed by rolled-filled earth dam with concrete spillway and outlet tunnel. Storage began Aug. 14, 1941. Dam completed Aug. 31, 1945. Capacity, 525,300 acre-ft (648 hm³) at elevation 238.3 ft (72.63 m), crest of spillway, of which about 493,800 acre-ft (609 hm³) is available for flood-control storage and about 31,500 acre-ft (38.8 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 209.3 ft (63.79 m), 18 ft (5.5 m) above sill of outlet gates. Water below elevation 191.3 ft (58.31 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Records furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 702,800 acre-ft (867 hm³) Apr. 25, 1973 (elevation, 243.08 ft or 74.091 m); minimum, since initial filling of reservoir to conservation level, 30 acre-ft (37,000 m³) at times during 1942-45; minimum elevation, 192.83 ft (58.775 m) Aug. 25, 1943.

EXTREMES FOR WATER YEAR 1980.--Maximum contents, 548,300 acre-ft (676 hm³) Apr. 16, elevation, 238.96 ft (72.835 m); minimum, 41,400 acre-ft (51.0 hm³) Dec. 12, elevation, 211.06 ft (64.331 m).

Capacity table (elevation in feet, and
contents, in thousands of acre-feet

210	35.3	225	195.9
215	69.8	230	295.0
218	98.9	235	423.1
220	122.3	240	584.9
222	149.0	245	783.6

NOTE.--Records for 1981 water year will be published in a subsequent report.

RESERVOIR STORAGE (AC-FT), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	146700	61200	135200	57500	56600	45600	465800	426000	318000	261300	184700	119700
2	140100	61200	127300	56600	53800	45000	478300	415400	312300	259500	181900	119500
3	134000	60400	118900	55600	50500	44900	458100	403100	305800	257200	179000	119300
4	129600	59600	107900	54600	47000	44700	451100	391500	299100	254700	176600	119100
5	125600	58700	98900	53900	46100	44400	442500	379400	292700	252200	173900	119000
6	121100	57600	88900	53100	46000	44800	433600	366600	285600	249800	171300	118900
7	116900	56700	78700	52200	46300	45400	424000	354600	282800	247600	168500	118900
8	113000	55800	69000	51400	46500	60000	418000	342100	279900	244000	165400	118600
9	109200	55500	59900	50700	50000	79700	415700	329800	277500	242800	162000	118500
10	105700	56200	51100	50100	55300	84800	407800	322300	274700	240600	158900	118300
11	101700	56400	45600	50400	58700	83000	400000	316100	272300	238300	155900	117600
12	97300	56000	41400	54700	56700	79800	429200	310900	269500	235300	152800	116900
13	93300	55400	55200	57300	52900	80100	467400	314700	266600	232600	149400	116100
14	89100	54900	78500	57900	48200	75100	518200	313000	263800	230100	146500	115400
15	85500	54200	85600	58300	47200	68900	540800	311400	261100	227300	143400	114800
16	82000	53500	85500	58400	47500	61100	548300	315600	258400	224300	140300	114000
17	77700	52800	84300	59600	47800	103800	548300	314700	256100	221100	137000	114000
18	75400	52200	82300	61400	48000	220000	546300	313500	253400	218100	133900	112800
19	73800	51400	79100	62700	48100	252400	540800	312100	251400	215800	131000	111900
20	72300	50800	75000	62900	47900	294800	532700	311200	249600	211700	128200	110800
21	70600	50300	70800	62700	47900	352500	525000	309100	246800	209400	125700	110000
22	69300	49100	66700	63700	47800	393400	515600	309500	244200	207600	123600	109300
23	68500	57300	63100	71100	47800	406700	505800	335700	241800	205100	122000	108500
24	67200	91200	71100	76200	47600	426600	495800	341400	245200	203600	121400	107200
25	65900	112800	86100	77800	47200	440700	485800	342300	261100	201000	121400	106400
26	64600	132700	91200	75000	46900	441600	475800	341600	264300	198200	121100	105900
27	63400	149400	88900	71100	46600	439800	465800	340400	264700	195600	120800	104300
28	62200	151500	82500	67100	46300	446300	456300	338400	264700	193200	120600	104000
29	61600	147300	75200	62700	46000	483300	446000	335000	264500	191200	120600	104200
30	61300	142000	67900	58700	---	459100	436000	329300	263800	189000	120300	103500
31	61500	---	60400	57800	---	465900	---	323300	---	187000	120100	---
MAX	146700	151500	135200	77800	58700	483300	548300	426000	318000	261300	184700	119700
MIN	61300	49100	41400	50100	46000	44400	400000	309100	241800	187000	120100	103500
†	213.92	221.19	213.50	213.42	211.77	236.45	235.19	231.06	228.50	224.37	219.80	218.35
‡	-87300	+76700	-79900	-600	-11500	+420700	-37800	-109000	-57300	-77000	-65600	-17000
CAL YR 1979	MAX	586400	MIN	41400	‡	-50500						
WTR YR 1980	MAX	548300	MIN	41400	‡	-45600						

† Elevation, in feet, at 2400, at end of month.

‡ Change, in contents, in acre-feet.

07278500 COLDWATER RIVER AT ARKABUTLA DAM, NEAR ARKABUTLA, MS

LOCATION.--Lat 34°45'26", long 90°07'27", in SW¼ sec.2, T.4 S., R.9 W., Chickasaw Meridian, De Soto County, Hydrologic Unit 08030204, in gatehouse of Arkabutla Dam, 4.0 mi (6.4 km) north of Arkabutla, and 54.3 mi (87.4 km) upstream from mouth.

DRAINAGE AREA.--1,000 mi² (2,590 km²), approximately.

PERIOD OF RECORD.--May 1937 to September 1941, January 1942 to September 1980. Prior to October 1938 monthly discharge only, published in WSP 1311. Prior to October 1941 published as "at Pratts Bridge near Arkabutla."

REVISED RECORDS.--WSP 1241: 1946. WSP 1441: 1938(M).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1939, nonrecording gage and Oct. 1, 1939, to Sept. 30, 1941, water-stage recorder at site 1.7 mi (2.7 km) downstream at datum 187.54 ft (57.162 m) NGVD. Jan. 1 to June 30, 1942, nonrecording gage 135 ft (41 m) downstream from outlet tunnel of Arkabutla Dam and July 1, 1942, to Dec. 31, 1947, water-stage recorder at site 370 ft (113 m) downstream from outlet tunnel, both at datum 171.28 ft (52.206 m) NGVD. Jan. 1, 1948, to Sept. 30, 1958, at present datum 191.18 ft (58.272 m) NGVD.

REMARKS.--Flow completely regulated by Arkabutla Lake since January 1942 (see station 07278000).

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--42 years, 1,338 ft³/s (37.89 m³/s), 18.17 in/yr (462 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 30,200 ft³/s (855 m³/s) Jan. 22, 1938 (gage height, 12.9 ft or 3.93 m, site and datum then in use); no flow at times each year 1942 to 1958; minimum daily discharge, prior to the effect of construction of Arkabutla Lake, 120 ft³/s (3.40 m³/s) Oct. 15, 1938.

EXTREMES OUTSIDE PERIOD OF RECORD.--A stage of 21.3 ft (6.49 m), from floodmarks, occurred in January 1935 at original site and datum.

EXTREMES FOR WATER YEAR 1980.--Maximum discharge, 6,000 ft³/s (170 m³/s) May 4, 5; minimum, 5.0 ft³/s (0.14 m³/s) at times.

NOTE.--Records for 1981 water year will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3050	800	4750	1050	2600	500	2550	5500	3000	1150	1150	200
2	3000	750	4600	1000	2500	500	3000	5650	3200	1150	1300	200
3	2650	750	4800	1000	2450	500	3500	5950	3500	1150	1300	200
4	2000	750	4850	1000	1850	500	4400	6000	3500	1150	1300	200
5	2000	700	4750	1000	550	500	5000	6000	3450	1100	1300	200
6	2000	700	5000	1000	550	500	5000	5950	2200	1100	1400	200
7	2000	700	4750	950	550	600	4950	5850	1300	1100	1500	200
8	1950	700	4550	950	550	850	4950	5850	1300	1100	1650	200
9	1950	700	4300	900	650	1100	4950	4300	1300	1100	1650	200
10	2000	700	3600	900	750	2150	5000	3000	1300	1100	1600	300
11	2100	700	2100	950	1600	3850	4550	3000	1300	1150	1600	450
12	2050	700	2200	1000	3050	3800	5	2050	1300	1250	1600	450
13	2000	700	1200	1050	2900	4350	5	1050	1300	1250	1600	450
14	1900	650	3220	1050	2050	4250	100	1000	1250	1300	1600	450
15	1350	650	3120	1050	550	4650	700	1000	1250	1400	1600	450
16	2000	650	3050	1050	550	2850	1950	1050	1250	1400	1600	500
17	1500	650	2400	1100	550	5	2700	1050	1250	1400	1550	600
18	1000	600	2900	1100	550	750	3050	1000	1250	1400	1550	600
19	1000	600	2900	1100	550	850	4200	1000	1250	1400	1550	600
20	950	600	2650	1100	550	5	4500	1000	1250	1400	1400	600
21	850	600	2500	1150	550	5	4800	1000	1250	1400	1100	600
22	850	600	2450	1250	550	700	4950	800	1250	1400	900	600
23	850	200	2500	1350	550	400	5150	1050	1250	1400	400	600
24	850	5	2750	1400	550	900	5600	1050	400	1400	200	600
25	850	5	2900	2250	550	2000	5550	1050	5	1400	200	700
26	850	300	3250	2950	550	2500	5500	1050	5	1400	200	800
27	850	2400	4550	2850	550	3100	5450	1050	150	1400	200	800
28	800	4700	4800	2750	550	3100	5400	1750	350	1200	200	800
29	800	5000	4250	2700	550	1050	5350	2450	350	1050	200	800
30	800	4800	4200	2650	---	5	5500	3050	600	1050	200	800
31	800	---	3150	2650	---	1250	---	3000	---	1050	200	---
TOTAL	47600	32360	108990	44250	30850	48070	118310	84550	42310	38700	33800	14350
MEAN	1535	1079	3516	1427	1064	1551	3944	2727	1410	1248	1090	478
MAX	3050	5000	5000	2950	3050	4650	5600	6000	3500	1400	1650	800
MIN	800	5.0	1200	900	550	5.0	5.0	800	5.0	1050	200	200
†	-1420	+1289	-1299	-9.8	-200	+6842	-635	-1773	-963	-1252	-1067	-286

CAL YR 1979 TOTAL 906685.0 MEAN 2484 MAX 5000 MIN 5.0 † -69.8
WTR YR 1980 TOTAL 644140.0 MEAN 1760 MAX 6000 MIN 5.0 † -62.8

† Change in contents, equivalent in cubic feet per second, in Arkabutla Lake (see station 07278000).

YAZOO RIVER BASIN

07279800 COLDWATER RIVER (POMPEY DITCH) NEAR SLEDGE, MS

LOCATION.--Lat 34°26'20", long 90°15'29", in NW¼NE¼ sec.33, T.7 S., R.10 W., Chickasaw Meridian, Quitman County, Hydrologic Unit 08030204, near center of span on downstream side of bridge on State Highway 315, 2.4 mi (3.9 km) west of Sledge and 3.1 mi (5.0 km) north of Falcon.

DRAINAGE AREA.--1,404 mi² (3,636 km²).

PERIOD OF RECORD.--Water years 1980 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1980 to current year.

WATER TEMPERATURE: October 1980 to current year.

INSTRUMENTATION.--Specific conductance/temperature recorder since October 1980.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

		STREAM- FLOW, INSTAN- TANFOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)		
DATE	TIME									
OCT										
09...	1100	1040	75	--	19.5	--	147	413		
23...	0930	588	84	7.2	17.5	9.1	107	170		
NOV										
05...	1430	922	70	--	14.5	--	114	284		
20...	1400	1090	100	--	7.5	--	245	721		
DEC										
10...	1515	2760	70	--	10.0	--	282	2100		
JAN										
07...	1630	350	130	7.8	4.0	12.5	95	90		
FEB										
19...	1500	1200	85	6.9	8.0	11.7	355	1150		
MAR										
10...	1345	1330	75	--	11.0	10.2	265	952		
APR										
02...	1130	740	115	6.9	19.0	6.7	455	909		
28...	1600	202	210	7.4	25.0	--	190	104		
JUN										
11...	1015	1000	90	6.8	27.5	5.5	348	940		
JUL										
08...	1230	1220	95	6.9	28.0	6.1	673	2220		
DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- IDY (NTU)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	HARD- NESS (MG/L AS CACO3)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO
OCT										
23...	50	25	13	28	.00	6.4	2.8	4.4	24	.4
APR										
28...	30	20	21	89	4.0	21	8.8	8.8	17	.4
DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)
OCT										
23...	2.5	28	2.9	3.9	.1	4.5	55	44	.07	87.3
APR										
28...	2.7	85	6.0	5.4	.2	12	128	116	.17	69.8
DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	
OCT										
23...	.22	.010	.23	.030	.04	.42	.45	.68	3.0	
APR										
28...	.35	.030	.38	.110	.13	.59	.70	1.1	4.8	

YAZOO RIVER BASIN

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07279800 COLDWATER RIVER (POMPEY DITCH) NEAR SLEDGE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PHOS- PHURUS, TOTAL (MG/L AS P)	PHOS- PHURUS TOTAL (MG/L AS P04)	PHOS- PHURUS, ORTHOP, TOTAL (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CFLLS PER ML)
OCT 23...	.130	.40	.060	3200	3600	100	20	4.6	6100
APR 28...	.310	.95	.170	1800	1700	60	110	5.8	20000
DATE	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ALUM- INUM, TOTAL RECOV- FM BOT- TOM MA- TERIAL (UG/G)	ARSENIC TOTAL RECOV- ERABLE (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, TOTAL RECOV- FM BOT- TOM MA- TERIAL (UG/G)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM RECOV- FM BOT- TOM MA- TERIAL (UG/G)	PHYTO- PLANK- TON, TOTAL (CFLLS PER ML)
OCT 23...	900	220	4	0	0	0	0	0	<10
DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, TOTAL RECOV- FM BOT- TOM MA- TERIAL (UG/G)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, RECOV- FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV- FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, RECOV- FM BOT- TOM MA- TERIAL (UG/G AS PB)	LITHIUM TOTAL RECOV- ERABLE (UG/L AS LI)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 23...	20	10	4	<10	1600	4	<10	10	160
DATE	MANGA- NESE, RECOV- FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV- FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL RECOV- FM BOT- TOM MA- TERIAL (UG/L AS SE)	SELE- NIUM, TOTAL RECOV- FM BOT- TOM MA- TERIAL (UG/G)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, RECOV- FM BOT- TOM MA- TERIAL (UG/G AS ZN)	PHYTO- PLANK- TON, TOTAL (CFLLS PER ML)
OCT 23...	1200	<.1	.00	4	0	0	10	8	

YAZOO RIVER BASIN

07279800 COLDWATER RIVER (POMPEY DITCH) NEAR SLEDGE, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 23...	.00	<1	.00	<1.0	.00	<.1	.00	<1.0	.00	.6	.00	.5

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)
OCT 23...	.00	.4	.00	.00	.1	.00	<.1	.00	<.1	.00	.00

DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)
OCT 23...	<.1	.00	<.1	.00	<.1	.00	.00	<.1	.00	.00	.00

DATE	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 23...	<.1	.00	.00	<.10	0	<1.0	.00	.00	.00	.02	.00

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	LENGTH OF EXPO- SURE (DAYS)	PERI- PHYTON BIOMASS ASH WEIGHT G/SQ M	PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M	CHLOR-A PERI- PHYTON CHROMO- GRAPHIC FLUOROM (MG/M2)	CHLOR-B PERI- PHYTON CHROMO- GRAPHIC FLUOROM (MG/M2)
NOV 20...	28	.236	.236	.000	.000

07279800 COLDWATER RIVER (POMPEY DITCH) NEAR SLEDGE, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO APRIL 1981

DATE	OCT 23, 80	APR 28, 81
TIME	0930	1600
TOTAL CELLS/ML	6100	20000
DIVERSITY: DIVISION	1.6	1.5
..CLASS	1.6	1.5
...ORDER	2.0	1.7
...FAMILY	2.3	1.9
....GENUS	2.6	2.2

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
PACILLARTOPHYTA (DIATOMS)				
..BACILLARIOPHYCEAE				
...PACILLARIALES				
....NITZSCHIA	130	2	230	1
....FUPODISCALES				
....COSCINODISCAFAE				
....CYCLOTELLA	220	4	470	2
....MELOSIRA	1800#	29	9300#	48
CHLOROPHYTA (GREEN ALGAE)				
..CHLOROPHYCEAE				
...CHLOROCOCCALES				
....SCHROEDERIA	--	-	*	0
....DICTYOSPHAERIAEAF				
....DICTYOSPHAERIUM	*	0	--	-
....HYDRODICTYACEAE				
....PEDIASTRUM	280	5	--	-
....MICRACTINIAEAE				
....MICRACTINIUM	--	-	*	0
....OOCYSTACEAE				
....ANKISTRODESMUS	52	1	170	1
....KIRCHNERIELLA	52	1	120	1
....OOCYSTIS	--	-	290	1
....SELENASTRUM	--	-	120	1
....TREUBARIA	*	0	*	0
...PALMELLACEAE				
....SPHAEROCYSTIS	--	-	2300	12
...SCENEDESMACEAE				
....CRUCIGENIA	670	11	--	-
....SCENEDESMUS	130	2	120	1
....TETRASTRUM	--	-	520	3
...VOLVOCALES				
...CHLAMYDOMONADACEAE				
....CHLAMYDOMONAS	--	-	*	0
CYANOPHYTA (BLUE-GREEN ALGAE)				
..CYANOPHYCEAE				
...CHROOCOCCALES				
....CHROOCOCCACEAE				
....ANACYSTIS	2200#	36	5400#	27
...OSCILLATORIALES				
....OSCILLATORIAEAE				
....OSCILLATORIA	520	8	--	-
EUGLENOPHYTA (EUGLENOIDS)				
..EUGLENOPHYCEAE				
...EUGLENALES				
....EUGLENACEAE				
....EUGLENA	*	0	--	-
....TRACHELOMONAS	52	1	230	1

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
 * - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

YAZOO RIVER BASIN

07279800 COLDWATER RIVER (POMPEY DITCH) NEAR SLEDGE, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	84	80	82	65	63	64	---	---	---
2	---	---	---	80	78	79	63	60	62	---	---	---
3	---	---	---	78	76	78	60	58	59	---	---	---
4	---	---	---	77	72	74	60	58	59	---	---	---
5	---	---	---	74	71	72	60	59	60	---	---	---
6	---	---	---	72	66	68	65	59	61	---	---	---
7	---	---	---	68	66	67	65	60	62	---	---	---
8	---	---	---	69	67	68	61	60	61	---	---	---
9	76	75	76	69	67	68	61	53	56	131	123	127
10	76	74	75	69	67	68	72	61	67	133	124	129
11	75	73	74	68	67	68	63	59	60	130	120	124
12	74	72	73	72	67	69	59	53	55	130	118	124
13	72	71	72	70	68	69	57	55	55	127	104	115
14	72	71	71	106	66	73	55	54	55	115	105	111
15	72	71	72	118	63	92	56	54	55	122	106	114
16	83	72	78	124	119	123	62	56	58	115	63	102
17	84	79	82	123	53	92	91	64	78	80	60	64
18	100	58	77	93	70	87	---	---	---	98	60	73
19	119	102	112	96	92	94	---	---	---	112	63	91
20	107	93	99	101	96	98	---	---	---	127	112	122
21	92	86	89	112	83	95	---	---	---	118	115	117
22	86	84	85	83	64	70	---	---	---	119	115	117
23	85	82	84	64	62	63	---	---	---	128	119	122
24	85	81	83	62	60	61	---	---	---	126	110	117
25	86	82	84	61	58	60	---	---	---	120	108	114
26	85	82	83	59	55	56	---	---	---	112	108	109
27	84	80	82	81	57	68	---	---	---	114	108	111
28	117	68	93	79	73	75	---	---	---	117	110	113
29	119	98	109	74	68	71	---	---	---	112	107	109
30	97	90	94	70	66	68	---	---	---	107	105	106
31	90	84	87	---	---	---	---	---	---	106	104	105

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	92	85	88	---	---	---	---	---	---
2	---	---	---	---	---	---	117	100	108	---	---	---
3	---	---	---	---	---	---	136	73	102	---	---	---
4	---	---	---	---	---	---	71	60	63	---	---	---
5	---	---	---	---	---	---	66	60	62	---	---	---
6	---	---	---	---	---	---	59	56	58	101	99	100
7	---	---	---	---	---	---	56	51	52	104	95	100
8	---	---	---	---	---	---	53	51	52	---	---	---
9	---	---	---	---	---	---	79	52	58	---	---	---
10	---	---	---	73	72	73	65	60	62	---	---	---
11	---	---	---	73	71	72	65	62	63	---	---	---
12	---	---	---	73	72	72	62	60	61	---	---	---
13	93	88	90	76	71	74	62	60	61	---	---	---
14	88	85	87	75	74	75	63	61	62	---	---	---
15	87	85	86	75	73	74	66	63	65	---	---	---
16	86	84	85	76	73	74	68	64	65	---	---	---
17	94	85	91	77	76	76	---	---	---	---	---	---
18	94	90	92	79	76	77	---	---	---	---	---	---
19	90	77	83	79	77	78	---	---	---	---	---	---
20	77	72	74	82	77	79	---	---	---	---	---	---
21	73	71	72	86	80	82	---	---	---	---	---	---
22	75	72	73	104	79	87	---	---	---	---	---	---
23	95	75	79	103	86	96	---	---	---	---	---	---
24	87	75	77	102	85	91	---	---	---	---	---	---
25	77	75	75	86	83	84	---	---	---	---	---	---
26	77	75	76	94	83	88	---	---	---	---	---	---
27	87	76	80	---	---	---	---	---	---	74	57	68
28	93	81	84	---	---	---	---	---	---	81	74	77
29	---	---	---	---	---	---	---	---	---	91	81	86
30	---	---	---	---	---	---	---	---	---	96	91	94
31	---	---	---	---	---	---	---	---	---	111	69	99

07279800 COLDWATER RIVER (POMPEY DITCH) NEAR SLEDGE, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	---	---	---	88	86	87	119	81	95
2	---	---	---	---	---	---	109	85	88	186	126	159
3	---	---	---	---	---	---	89	87	88	146	100	111
4	---	---	---	---	---	---	102	89	95	102	98	100
5	---	---	---	---	---	---	108	103	106	98	90	94
6	---	---	---	95	89	91	110	98	102	90	84	87
7	---	---	---	104	91	99	102	98	100	83	80	82
8	---	---	---	100	84	92	118	100	110	80	78	79
9	---	---	---	84	79	82	115	105	110	79	75	77
10	93	88	91	79	77	78	106	100	103	79	77	78
11	90	88	89	76	72	73	100	98	99	78	76	77
12	96	90	94	75	72	74	100	97	98	77	75	76
13	118	97	102	77	74	75	98	95	96	77	74	75
14	---	---	---	78	76	77	99	96	98	80	72	74
15	---	---	---	77	76	76	97	95	96	78	73	75
16	---	---	---	78	76	77	98	95	97	74	72	73
17	---	---	---	76	75	76	102	95	97	73	71	72
18	---	---	---	83	76	77	118	82	103	72	68	71
19	---	---	---	86	77	80	133	102	121	72	67	69
20	---	---	---	95	80	84	134	129	132	71	68	70
21	---	---	---	97	82	85	129	120	125	71	68	69
22	---	---	---	83	80	81	120	105	112	69	66	67
23	---	---	---	81	79	80	104	97	101	67	66	66
24	---	---	---	82	80	81	98	95	96	66	64	65
25	---	---	---	87	81	84	95	91	93	65	64	64
26	---	---	---	99	85	90	92	90	91	65	63	64
27	---	---	---	100	91	96	93	90	91	65	63	64
28	---	---	---	101	90	93	97	93	95	65	64	65
29	---	---	---	96	92	94	97	94	95	67	64	65
30	---	---	---	104	91	97	100	93	95	67	65	66
31	---	---	---	92	85	88	100	93	96	---	---	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	14.5	12.5	13.5	8.5	7.5	8.0	---	---	---
2	---	---	---	14.5	13.0	13.5	9.0	8.0	8.5	---	---	---
3	---	---	---	15.0	13.5	14.0	8.0	7.0	7.5	---	---	---
4	---	---	---	15.0	13.5	14.0	8.0	7.0	7.5	---	---	---
5	---	---	---	14.5	13.5	14.0	8.5	8.0	8.5	---	---	---
6	---	---	---	14.5	13.0	14.0	9.5	8.5	9.0	---	---	---
7	---	---	---	15.0	14.0	14.5	10.0	9.5	9.5	---	---	---
8	---	---	---	16.0	14.5	15.0	11.0	10.0	10.5	---	---	---
9	20.0	19.0	19.5	16.0	15.5	15.5	11.5	10.5	11.0	5.5	3.5	4.0
10	20.5	19.5	20.0	16.0	15.5	16.0	10.5	9.5	10.0	5.0	2.5	3.5
11	20.0	19.0	19.5	16.5	15.0	16.0	9.5	9.0	9.0	3.5	2.0	2.5
12	19.0	18.0	18.5	15.5	14.5	15.0	9.5	9.0	9.0	3.0	.5	1.5
13	19.0	17.5	18.0	15.0	14.0	14.5	9.0	9.0	9.0	3.5	1.0	2.5
14	19.0	17.5	18.0	15.0	13.5	14.5	9.0	8.5	8.5	5.0	2.5	3.5
15	19.5	17.5	18.5	14.0	13.5	13.5	9.0	8.5	8.5	5.0	2.5	3.5
16	19.5	18.5	19.0	13.0	11.5	12.5	8.5	8.5	8.5	4.0	1.5	2.5
17	20.0	19.0	19.5	11.5	8.5	10.0	8.5	7.5	8.0	---	---	---
18	21.0	20.0	20.5	8.5	8.0	8.0	---	---	---	---	---	---
19	20.5	18.5	20.0	7.5	7.5	7.5	---	---	---	5.0	4.0	4.0
20	19.0	17.5	18.0	7.5	6.5	7.0	---	---	---	4.5	4.0	4.0
21	19.5	17.0	18.0	8.5	6.5	7.5	---	---	---	4.5	4.0	4.5
22	19.5	17.5	18.5	9.0	8.0	8.5	---	---	---	5.5	4.5	5.0
23	20.0	17.5	18.5	9.5	9.0	9.5	---	---	---	6.5	4.0	5.0
24	19.0	17.5	18.5	9.5	9.0	9.5	---	---	---	7.0	4.5	6.0
25	17.5	16.0	17.0	9.0	8.5	8.5	---	---	---	8.5	5.5	7.0
26	16.5	15.5	16.0	8.5	8.0	8.5	---	---	---	9.5	8.0	9.0
27	16.0	16.0	16.0	8.0	6.0	6.5	---	---	---	10.0	8.5	9.0
28	16.0	14.5	15.0	6.5	6.0	6.5	---	---	---	9.5	7.5	8.5
29	14.5	13.5	14.0	7.0	6.0	6.5	---	---	---	8.5	7.5	8.0
30	13.5	13.0	13.0	7.5	6.5	7.0	---	---	---	8.5	7.0	7.5
31	13.5	12.0	13.0	---	---	---	---	---	---	7.5	6.5	7.0

YAZOO RIVER BASIN

07279800 COLDWATER RIVER (POMPEY DITCH) NEAR SLEDGE, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	13.0	12.5	13.0	---	---	---	---	---	---
2	---	---	---	13.0	11.5	12.0	20.0	18.0	19.0	---	---	---
3	---	---	---	12.5	11.5	12.0	19.0	18.5	19.0	---	---	---
4	---	---	---	12.0	10.5	11.5	19.0	18.5	18.5	---	---	---
5	---	---	---	11.5	11.0	11.5	19.0	17.5	18.0	---	---	---
6	---	---	---	11.0	10.5	10.5	18.5	17.0	18.0	21.0	16.5	18.5
7	---	---	---	11.0	10.5	10.5	18.5	17.5	18.0	20.0	15.0	17.0
8	---	---	---	11.0	10.5	10.5	17.5	17.5	17.5	---	---	---
9	---	---	---	11.0	10.5	10.5	18.0	17.5	17.5	---	---	---
10	---	---	---	11.0	10.5	11.0	19.5	18.0	19.0	---	---	---
11	---	---	---	11.0	10.0	10.5	20.5	19.0	19.5	---	---	---
12	---	---	---	11.5	10.0	10.5	21.0	20.0	20.5	---	---	---
13	3.5	3.0	3.5	12.0	11.0	11.5	21.5	20.5	21.0	---	---	---
14	4.5	3.0	4.0	12.5	11.5	12.0	22.0	21.0	21.5	---	---	---
15	5.5	4.5	5.0	13.5	11.5	12.5	21.5	20.5	20.5	---	---	---
16	6.0	5.0	5.5	13.0	12.0	12.5	20.5	19.5	20.0	---	---	---
17	8.0	6.0	7.0	13.0	12.0	12.5	---	---	---	---	---	---
18	8.5	7.5	8.0	13.0	11.0	12.0	---	---	---	---	---	---
19	8.5	7.5	8.0	12.0	10.5	11.0	---	---	---	---	---	---
20	8.0	7.5	7.5	12.0	10.5	11.0	---	---	---	---	---	---
21	9.5	7.5	8.5	11.5	11.0	11.5	---	---	---	---	---	---
22	10.5	9.0	10.0	11.5	11.0	11.0	---	---	---	---	---	---
23	11.0	9.0	10.0	11.5	10.0	11.0	---	---	---	---	---	---
24	11.0	9.5	10.5	12.0	11.0	11.5	---	---	---	---	---	---
25	11.0	10.0	10.5	13.0	11.5	12.0	---	---	---	---	---	---
26	12.5	11.0	11.5	14.0	12.0	13.0	---	---	---	---	---	---
27	13.5	12.0	12.5	15.0	13.0	14.0	---	---	---	22.0	21.0	21.5
28	13.5	13.0	13.0	16.0	14.0	15.0	---	---	---	24.0	22.5	23.5
29	---	---	---	16.0	15.0	15.5	---	---	---	25.5	24.0	25.0
30	---	---	---	---	---	---	---	---	---	26.0	25.5	25.5
31	---	---	---	---	---	---	---	---	---	26.5	24.0	26.0
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	---	---	---	---	---	---	29.0	28.0	28.5	27.0	24.0	25.5
2	---	---	---	---	---	---	29.0	28.0	28.5	25.5	24.5	25.0
3	---	---	---	---	---	---	29.5	28.0	29.0	26.5	24.5	25.5
4	---	---	---	---	---	---	29.5	28.5	29.0	27.0	26.0	26.5
5	---	---	---	---	---	---	29.5	29.0	29.0	27.0	26.0	26.5
6	---	---	---	26.0	25.0	26.0	30.0	28.5	29.0	27.0	25.5	26.5
7	---	---	---	28.0	26.0	27.0	29.0	28.5	28.5	26.5	25.5	26.0
8	---	---	---	29.0	27.5	28.0	28.5	27.5	28.0	26.5	26.0	26.0
9	---	---	---	29.5	29.0	29.0	28.5	27.5	28.0	26.0	24.5	25.5
10	28.5	27.5	28.0	29.5	28.5	29.0	28.5	27.5	28.0	26.0	25.0	25.5
11	28.5	27.5	28.0	29.5	28.0	28.5	29.0	28.0	28.0	26.0	25.0	25.5
12	28.5	27.5	28.0	30.0	28.5	29.0	28.5	28.0	28.5	26.0	25.0	25.5
13	29.0	27.5	28.0	30.0	29.0	29.5	29.0	27.5	28.5	26.0	25.5	25.5
14	---	---	---	29.5	28.5	29.0	29.0	28.0	28.5	26.5	25.5	26.0
15	---	---	---	29.5	28.5	29.0	29.0	28.0	28.5	26.0	25.5	26.0
16	---	---	---	29.0	28.5	28.5	29.0	28.0	28.5	26.0	25.0	25.5
17	---	---	---	29.5	28.0	28.5	28.0	26.5	27.5	25.5	24.0	24.5
18	---	---	---	29.5	28.5	29.0	27.0	24.0	26.0	24.0	23.0	23.5
19	---	---	---	30.0	29.0	29.5	26.0	26.0	26.0	23.0	22.0	22.5
20	---	---	---	29.5	29.0	29.0	26.0	26.0	26.0	23.0	21.5	22.5
21	---	---	---	29.0	28.0	28.5	27.0	25.5	26.0	22.5	21.5	22.0
22	---	---	---	29.0	28.5	29.0	27.0	26.0	26.5	23.5	22.0	22.5
23	---	---	---	30.0	28.5	29.0	27.5	26.0	26.5	23.5	22.5	23.0
24	---	---	---	30.5	29.5	30.0	28.0	26.5	27.5	23.5	22.0	23.0
25	---	---	---	30.0	29.0	29.5	28.5	27.0	27.5	23.5	22.0	23.0
26	---	---	---	29.5	28.5	29.0	28.0	27.5	27.5	23.5	23.0	23.0
27	---	---	---	30.5	29.0	29.5	27.5	26.5	27.0	24.0	23.0	23.5
28	---	---	---	29.5	28.5	29.0	28.0	26.5	27.0	24.0	23.5	24.0
29	---	---	---	28.5	27.5	28.0	27.5	27.5	27.5	24.0	22.5	23.5
30	---	---	---	28.0	27.0	27.5	28.5	27.0	28.0	24.0	23.0	23.5
31	---	---	---	28.5	27.5	28.0	28.0	27.0	27.5	---	---	---

07279937 DAVID BAYOU NEAR SLEDGE, MS

LOCATION.--Lat 34°25'14", long 90°14'02", in NE¼ sec.3, T.8 S., R.10 W., Chickasaw Meridian, Quitman County, Hydrologic Unit 08030204, near center of span on upstream side of bridge on old State Highway 3, 1.1 mi (1.8 km) southwest of Sledge, and 0.8 mi (1.3 km) upstream from Burrell Bayou.

DRAINAGE AREA.--28.0 mi² (72.5 km²).

PERIOD OF RECORD.--Water years 1980 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

		DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)
		OCT								
		08...	1500	.46	220	--	23.5	--	341	.42
		22...	1400	3.4	170	7.4	19.0	6.6	356	3.3
		NOV								
		06...	1000	.32	165	--	13.5	--	247	.21
		20...	1600	47	88	--	8.5	--	110	14
		21...	0900	27	95	--	6.5	--	110	8.0
		DEC								
		11...	1000	.65	170	--	7.5	--	108	.19
		JAN								
		08...	1030	.80	300	8.8	3.5	12.8	56	.12
		FEB								
		20...	0930	12	170	6.9	13.5	5.3	555	18
		MAR								
		10...	1645	8.1	165	--	14.0	9.4	331	7.2
		APR								
		02...	1500	17	108	7.0	22.0	5.9	286	13
		28...	1330	.05	400	7.8	26.5	--	197	.03
		JUN								
		10...	1430	11	155	8.2	30.5	10.1	126	3.7
		JUL								
		08...	1515	23	260	8.0	32.0	9.5	210	13
DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	HARD- NESS (MG/L AS CaCO3)	HARD- NESS NONCAR- BONATE (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO
OCT										
22...	95	67	72	52	.00	13	4.8	9.6	26	.6
APR										
28...	30	4.2	67	79	.00	19	7.6	71	64	3.5
DATE	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAR (MG/L AS CaCO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUD- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)
OCT										
22...	5.0	53	10	8.4	.1	7.3	108	90	.15	.99
APR										
28...	5.6	140	8.7	26	<.1	3.1	241	226	.33	.03
DATE	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	
OCT										
22...	.11	.030	.14	.100	.12	1.6	1.70	1.8	8.1	
APR										
28...	.16	.110	.27	1.00	1.2	3.0	4.00	4.3	19	
DATE	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, ORTHOPHOS- PHATE TOTAL (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	
OCT										
22...	.570	1.7	.080	9500	11000	100	60	13	50000	
APR										
28...	3.00	9.2	1.00	5000	5000	30	290	14	71000	

YAZOO RIVER BASIN

07279937 DAVID BAYOU NEAR SLEDGE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ALUM- INUM, TOTAL RECOV- FM BOT- TOM MA- TERIAL (UG/G)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, TOTAL RECOV- FM BOT- TOM MA- TERIAL (UG/G)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM RECOV- FM BOT- TOM MA- TERIAL (UG/G AS CD)	
OCT 22...	6000	5000	5	2	0	10	1	<10

	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, TOTAL RECOV- FM BOT- TOM MA- TERIAL (UG/G)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, RECOV- FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV- FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, RECOV- FM BOT- TOM MA- TERIAL (UG/G AS PB)	LITHIUM TOTAL RECOV- ERABLE (UG/L AS LI)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
OCT 22...	30	<10	12	10	10000	14	20	10	360

DATE	MANGA- NESE, RECOV- FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV- FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL RECOV- FM BOT- TOM MA- TERIAL (UG/L AS SE)	SELE- NIUM, TOTAL RECOV- FM BOT- TOM MA- TERIAL (UG/G)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, RECOV- FM BOT- TOM MA- TERIAL (UG/G AS ZN)
OCT 22...	380	.5	.00	12	0	0	50	33

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 22...	.00	<1	.00	<1.0	.00	<.1	.00	6.0	.02	16	.00	7.3

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)
OCT 22...	.02	<.1	.00	.02	.6	.00	<.1	.00	.2	.00	.00

DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)
OCT 22...	<.1	.00	<.1	.00	<.1	.00	.00	<.1	.00	.00	.00

DATE	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 22...	<.1	.00	.00	<.10	0	<1.0	.00	.00	.00	.25	.00

07279937 DAVID BAYOU NEAR SLEDGE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	LENGTH OF EXPOSURE (DAYS)	PERCENT PHYTON BIOMASS TOTAL WIGHT G/SQ M	PERCENT PHYTON BIOMASS TOTAL WIGHT G/SQ M	BIOMASS CHLOROPHYLL RATIO PHYTON (UNITS)	CHLOROPHYLL PERCENT PHYTON CHROMOPHYLL FLUORESCENCE (MG/M2)	CHLOROPHYLL PERCENT PHYTON CHROMOPHYLL FLUORESCENCE (MG/M2)
4QV						
21...	30	.157	.157	--	.000	.000
JUN						
10...	43	3.54	4.17	467	1.35	.420

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO APRIL 1981

DATE	OCT 22, 80	APP 28, 81
TIME	1400	1330
TOTAL CELLS/ML	50000	71000
DIVERSITY: DIVISION	1.1	1.7
..CLASS	1.1	1.7
..ORDER	1.3	2.2
...FAMILY	1.4	2.4
....GENUS	1.4	2.9

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
RACILLARIOPHYTA (DIATOMS)				
..BACILLARIOPHYCEAE				
...RACILLARIALES				
....NITZSCHIA	1400	3	11000#	15
...EUPHODISCALFES				
...COSCINODISCACEAE				
....CYCLOTELLA	5800	12	3900	5
..NAVICULALES				
...NAVICULACEAE				
....NAVICULA	560	1	*	0
CHLOROPHYTA (GREEN ALGAE)				
..CHLOROPHYCEAE				
...CHLOROCOCCALES				
...CHLOROCOCCACEAE				
....SCHROEDERIA	280	1	--	-
...MICRACINTINACEAE				
....MICRACINTINIUM	--	-	*	0
...DOCCYSTACEAE				
....ANKISTRUPESMUS	840	2	700	1
...KIRCHNERIELLA	--	-	6000	8
...SCENEDESMACEAE				
....SCENEDESMUS	4500	9	4200	6
..VOLVOCALES				
...CHLAMYDOMONADACEAE				
....CHLAMYDOMONAS	280	1	9500	13
CYANOPHYTA (BLUE-GREEN ALGAE)				
..CYANOPHYCEAE				
...CHROOCOCCALES				
...CHROOCOCCACEAE				
....AGMENELLUM	--	-	23000#	32
...ANACYSTIS	36000#	73	9200	13
EUGLENOPHYTA (EUGLENOIDS)				
..EUGLENOPHYCEAE				
...EUGLENALES				
...EUGLENACEAE				
....EUGLENA	--	-	700	1
...PHACUS	--	-	700	1
....TRACHELOMONAS	--	-	1400	2

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

YAZOO RIVER BASIN

07280000 TALLAHATCHIE RIVER NEAR LAMBERT, MS

LOCATION.--Lat 34°10'50", long 90°12'55", in NE¼SW¼ sec.29, T.27 N., R.1 E., Choctaw Meridian, Quitman County, Hydrologic Unit 08030202, near center of span on downstream side of highway bridge, 0.2 mi (0.3 km) downstream from confluence of Old Little Tallahatchie River and Coldwater River, 3.5 mi (5.6 km) southeast of Lambert, and 26.2 mi (42.2 km) upstream from the Panola-Quitman Floodway.

DRAINAGE AREA.--1,980 mi² (5,130 km²), approximately (does not include 2,600 mi² or 6,730 km²) of upper Little Tallahatchie (formerly Tallahatchie) and Yocona Rivers, the entire flow of which is diverted 24.5 mi (39.4 km) upstream through Panola-Quitman Floodway.

PERIOD OF RECORD.--October 1935 to September 1980. Prior to October 1938, monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WSP 1281: 1939.

GAGE.--Water-stage recorder. Datum of gage is 123.83 ft (37.743 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Sept. 5, 1946, nonrecording gage at same site and datum. Since Sept. 11, 1946, auxiliary water-stage recorder 5.8 mi (9.3 km) downstream from base gage at datum 2.66 ft (0.811 m) higher. Dec. 9, 1938, to Sept. 10, 1946, auxiliary nonrecording gage at same site and datum.

REMARKS.--Flow partly regulated by Arkabutla Lake on Coldwater River (see station 07278000). Entire flow of Little Tallahatchie River and Yocona River diverted around the station through the Panola-Quitman Floodway.

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--45 years, 2,754 ft³/s (77.99 m³/s), 18.89 in/yr (480 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 32,800 ft³/s (929 m³/s) Jan. 30, 1937 gage height, 35.54 ft (10.833 m); minimum, 59 ft³/s (1.67 m³/s) Oct. 27-29, 1942; minimum gage height, 5.85 ft (1.783 m) Oct. 16-21, 1938.

EXTREMES OUTSIDE PERIOD OF RECORD.--A stage of 36.8 ft (11.22 m), from floodmarks, occurred in January 1932 (probably affected by levee breaks above).

EXTREMES FOR WATER YEAR 1980.--Maximum discharge, 11,100 ft³/s (314 m³/s) Mar. 22-26, gage height, 31.8 ft (9.69 m); minimum, 466 ft³/s (13.2 m³/s) Nov. 12, 13, gage height, 16.85 ft (5.136 m).

NOTE.--Records for 1981 water year will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3070	1350	6430	6690	5010	1550	10600	7200	4310	6380	1880	1330
2	3140	1350	6430	6380	4820	1540	10400	7120	4250	5200	1880	1330
3	3140	1250	6430	5420	4570	1500	10000	7030	4190	4190	1950	1330
4	3270	1150	6350	4690	4310	1480	9720	7030	4190	3180	2080	1330
5	3000	1100	6350	4380	4050	1480	9320	7030	4190	2820	2080	1360
6	2740	1000	6430	4000	3530	1500	9030	7030	4190	2330	2010	1330
7	2550	1000	6430	3630	3060	1500	8640	7030	4090	1980	2010	1330
8	2490	1000	6430	3350	2700	4940	8360	7120	3490	1780	2150	1330
9	2310	858	6350	3140	3490	5010	8170	7120	2860	1880	2080	1330
10	2130	1950	6350	2940	4310	4250	7880	7120	2360	2010	2110	1300
11	2130	1300	6190	2980	4140	3720	7710	6780	2010	2040	2150	1330
12	2190	466	5650	3180	4140	3910	8360	6300	1780	2010	2150	1390
13	2250	466	7120	3350	4090	5920	9120	5920	1650	2040	2150	1390
14	2250	552	8050	3580	4090	6150	9820	5760	1620	2080	2110	1420
15	2190	858	8130	3260	4090	6000	10000	5330	1620	2040	2110	1420
16	2190	907	8130	2980	3670	5840	10000	5010	1650	2080	2110	1420
17	2130	956	8050	2780	3220	8260	9720	5500	1650	2080	2080	1270
18	2130	956	7740	3020	2940	9420	9620	5500	1720	2080	2110	1160
19	1830	907	7350	3100	2740	10000	9420	5140	1780	2080	2080	1270
20	1560	907	6810	2980	2620	10200	9220	4940	2080	2110	2080	1270
21	1450	907	6270	2740	2510	10700	8930	4570	2080	2110	2040	1270
22	1350	1000	5730	3100	2290	11100	8740	4570	2080	2220	1910	1270
23	1350	4390	5650	5010	2080	11100	8450	7030	2040	2440	1780	1240
24	1300	7580	7580	5420	1950	11100	8260	7280	4250	2550	1620	1220
25	1250	7580	8290	5010	1850	11100	8070	7120	8640	2400	1450	1220
26	1200	7660	8370	4570	1750	11100	7980	6690	9520	2260	1330	1240
27	1100	7190	8370	4440	1650	10800	7790	6070	9120	2220	1330	1330
28	1100	6580	8290	4310	1620	10900	7620	5260	8740	2180	1330	1420
29	1100	6430	8130	4140	1590	10900	7450	4630	8170	2110	1360	3060
30	1100	6430	7970	4000	---	10900	7370	4380	7370	1980	1330	3630
31	1150	---	7820	4760	---	10900	---	4380	---	1910	1360	---
TOTAL	62140	76070	219670	123370	92880	214810	265770	188990	117690	76770	58200	43540
MEAN	2005	2536	7086	3980	3203	6929	8859	6096	3923	2476	1877	1451
MAX	3270	7660	8370	6690	5010	11100	10600	7280	9520	6380	2150	3630
MIN	1100	466	5650	2740	1590	1480	7370	4380	1620	1780	1330	1160

CAL YR 1979 TOTAL 1953170 MEAN 5351 MAX 10100 MIN 223 + -69.8
WTR YR 1980 TOTAL 1539900 MEAN 4207 MAX 11100 MIN 466 + -62.8

+ Change in contents, equivalent in cubic feet per second, in Arkabutla Lake (see station 07278000).

07280270 TILLATOBA CREEK BELOW OAKLAND, MS

LOCATION.--Lat 33°59'40", long 89°57'12", in NE¼ sec.35, T.25 N., R.3 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, near right bank on downstream side of bridge on county road, 3.3 mi (5.3 km) west of Tillatoba, and 4.6 mi (7.4 km) southwest of Oakland.

DRAINAGE AREA.--37.1 mi² (96.1 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 220 ft (67 m) from topographic map.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--7 years, 60.2 ft³/s (1.705 m³/s), 22.04 in/yr (560 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,600 ft³/s (215 m³/s) June 24, 1980, gage height, 14.93 ft (4.551 m), from floodmarks, from rating curve extended above 2,100 ft³/s (59 m³/s) on basis of contracted-opening measurement at gage height 14.93 ft (4.551 m); maximum gage height, 17.72 ft (5.401 m) Mar. 29, 1975; minimum daily, 0.08 ft³/s (0.002 m³/s) Sept. 24, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,540 ft³/s (43.6 m³/s) Mar. 29, gage height, 8.16 ft (2.487 m), no peak above base of 2,000 ft³/s (56.6 m³/s); minimum, 0.84 ft³/s (0.024 m³/s) Sept. 26, gage height, 1.08 ft (0.329 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	6.7	13	4.3	664	18	95	4.5	6.1	113	1.4	8.8
2	32	6.4	11	4.1	154	16	43	4.5	11	40	1.4	3.0
3	25	5.5	9.1	4.3	68	14	30	4.4	8.3	20	1.4	4.1
4	20	5.3	8.5	4.8	45	259	26	4.2	5.5	13	1.3	2.8
5	18	5.0	8.5	4.1	30	135	21	4.1	4.8	65	1.8	2.2
6	15	5.0	7.7	11	20	50	16	3.8	119	23	1.8	1.9
7	15	4.8	7.0	19	16	32	14	3.5	26	10	1.4	1.8
8	14	4.8	6.7	10	14	25	13	3.3	15	6.1	1.4	1.7
9	8.8	4.8	9.4	8.5	11	19	12	3.1	11	4.8	1.3	1.9
10	4.5	4.3	9.4	7.3	22	17	12	2.9	8.5	3.7	1.3	1.7
11	4.1	4.3	7.7	6.4	17	15	11	2.8	6.7	3.0	1.3	1.5
12	3.5	4.3	6.7	8.8	13	14	11	2.7	5.5	3.0	1.2	1.5
13	3.2	4.3	6.4	11	12	13	10	2.5	4.8	2.7	1.3	5.0
14	3.2	11	5.5	7.3	12	12	9.7	3.3	3.9	2.5	1.2	31
15	3.0	18	5.8	6.7	12	13	9.4	3.0	3.3	2.7	1.2	94
16	2.9	12	6.1	5.8	15	16	9.4	3.0	3.0	2.4	1.2	21
17	3.3	217	5.3	5.3	33	12	9.1	30	2.7	2.0	1.9	4.3
18	4.8	66	4.8	5.8	20	12	9.1	11	2.6	2.0	2.0	2.5
19	3.7	30	4.8	6.1	16	11	9.1	7.7	2.5	1.9	1.9	1.9
20	3.5	21	4.3	8.5	15	9.4	8.3	5.5	2.5	1.8	1.8	1.6
21	3.3	16	4.3	13	14	9.1	8.0	4.3	2.4	1.9	1.9	1.5
22	2.9	13	4.3	9.4	14	23	8.0	3.7	2.1	1.8	1.9	1.3
23	2.8	13	4.8	8.8	14	18	7.7	3.3	2.0	1.7	1.7	1.4
24	2.7	12	6.7	8.0	13	13	7.7	4.1	1.9	1.6	1.9	1.4
25	2.6	9.7	5.8	7.3	13	11	7.3	15	1.9	1.7	1.7	1.2
26	2.7	31	5.0	6.7	13	10	7.3	201	1.8	1.7	1.5	1.0
27	34	124	4.8	6.7	13	9.4	6.7	49	1.7	1.7	1.7	1.1
28	31	31	4.5	6.4	13	8.8	5.8	23	1.7	1.7	1.7	1.1
29	9.1	20	4.8	6.1	---	299	5.3	15	1.6	1.5	6.7	1.1
30	7.7	15	5.0	5.8	---	373	4.8	10	5.3	1.5	2.2	1.1
31	7.0	---	4.5	6.1	---	79	---	7.3	---	1.4	6.7	---
TOTAL	342.3	725.2	202.2	233.4	1316	1565.7	446.7	445.5	275.1	340.8	59.1	206.4
MEAN	11.0	24.2	6.52	7.53	47.0	50.5	14.9	14.4	9.17	11.0	1.91	6.88
MAX	49	217	13	19	664	373	95	201	119	113	6.7	94
MIN	2.6	4.3	4.3	4.1	11	8.8	4.8	2.5	1.6	1.4	1.2	1.0
CFSM	.30	.65	.18	.20	1.27	1.36	.40	.39	.25	.30	.05	.19
IN.	.34	.73	.20	.23	1.32	1.57	.45	.45	.28	.34	.06	.21
CAL YR 1980 TOTAL	33154.5			MEAN 90.6	MAX 3140	MIN 1.1	CFSM 2.44	IN 33.24				
WTR YR 1981 TOTAL	6158.4			MEAN 16.9	MAX 664	MIN 1.0	CFSM .46	IN 6.17				

YAZOO RIVER BASIN

07280270 TILLATOBA CREEK BELOW OAKLAND, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975, 1977 to current year.

REMARKS.--Sediment samples are collected by a local observer.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)
OCT				
04...	1500	20	64	3.5
NOV				
17...	1700	16	67	2.9
21...	1700	17	65	3.0
26...	1730	31	165	14
28...	1700	29	80	6.3
DEC				
01...	1700	12	40	1.3
04...	1700	8.5	41	.94
08...	1630	7.0	45	.85
12...	1625	6.7	54	.98
15...	1700	5.8	57	.89
19...	1730	5.0	35	.47
JAN				
02...	1420	3.9	48	.51
FEB				
01...	0930	1330	5370	19300
04...	1400	43	188	22
10...	1630	38	95	9.7
10...	1700	37	77	7.7
17...	1630	34	75	6.9
23...	1630	14	88	3.3
28...	1400	12	86	2.8
MAR				
04...	1700	306	78	64
04...	1800	261	93	66
15...	1030	11	174	5.2
21...	1600	9.1	182	4.5
29...	1155	14	216	8.2
29...	1540	73	1180	233
29...	1620	162	2520	1100
29...	1715	276	3980	2970
29...	1750	559	3320	5010
29...	1835	630	3040	5170
29...	2040	1020	4580	12600
29...	2145	1370	4880	18100
29...	2245	1460	4150	16400
30...	1510	169	880	402
APR				
01...	1500	71	254	49
08...	1455	12	130	4.2
15...	1530	9.4	64	1.6
22...	1540	7.6	42	.86
29...	1445	5.0	51	.69
MAY				
06...	1505	4.3	40	.46
13...	1435	2.5	52	.35
27...	0850	49	566	75
JUN				
03...	1645	6.7	180	3.3
10...	1740	8.3	45	1.0
17...	2005	30	133	11
JUL				
01...	1715	276	4790	3570
08...	1745	7.0	393	7.4
15...	1730	3.7	191	1.9
22...	1805	2.3	95	.59
AUG				
19...	1720	2.0	110	.59
26...	1725	9.5	212	5.4
SEP				
02...	1625	11	456	14
15...	1055	84	1940	440
16...	1325	11	178	5.3
23...	1450	1.3	44	.15

07280340 SOUTH FORK TILLATOBA CREEK NEAR CHARLESTON, MS

LOCATION.--Lat 33°58'42", long 89°58'45", in NE¼ sec.4, T.24 N., R.3 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, on left bank, 80 ft (24 m) downstream from left end of bridge on county road, 1.9 mi (3.1 km) south of intersection of county road and Mississippi Highway 32, 4.8 mi (7.7 km) west of Tillatoba and 4.8 mi (7.7 km) east-southeast of Charleston.

DRAINAGE AREA.--53.9 mi² (140 km²).

WATER-DISCHARGE RECORD

PERIOD OF RECORD.--July 1975 to current year.

GAGE.--Water-stage recorder. Datum of gage is 189.37 ft (57.720 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records poor. Doubtful or no gage-height record Oct. 31 to Nov. 30 and Dec. 11 to Feb. 24.

AVERAGE DISCHARGE.--6 years, 79.1 ft³/s (2.240 m³/s) 19.93 in/yr (506 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,000 ft³/s (312 m³/s) June 24, 1980, gage height 23.47 ft (7.154 m); minimum daily, 1.4 ft³/s (0.040 m³/s) Sept. 25, 26, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft³/s (34.0 m³/s) and maximum(*).

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Nov. 17	Unknown	2080	58.9	a9.73	2.966	Mar. 4	1330	1260	35.7	7.68	2.341
Feb. 1	Unknown	*2200	62.3	b10.0	3.05	Mar. 29	2230	1790	50.7	9.05	2.758

Minimum daily discharge, 1.4 ft³/s (0.040 m³/s) Sept. 25, 26.

a From floodmark.

b From reconstructed graph.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	10	21	5.3	800	36	167	3.1	17	115	2.7	140
2	21	9.0	14	5.2	250	36	86	2.6	120	90	2.6	25
3	13	8.5	19	5.2	80	20	61	2.9	49	26	2.6	30
4	9.3	8.0	21	5.0	50	602	48	2.7	23	14	2.4	9.0
5	7.3	7.7	19	4.9	38	366	37	5.1	17	276	2.6	6.0
6	6.0	7.4	16	20	29	164	24	46	156	83	2.3	4.5
7	6.9	7.1	14	35	23	98	21	12	57	17	2.3	3.5
8	6.6	6.9	12	15	18	71	36	4.5	31	8.0	2.1	3.0
9	5.6	6.8	19	12	16	51	20	3.6	21	5.9	2.4	3.6
10	5.6	6.6	15	10	38	41	16	19	15	4.3	2.3	2.9
11	6.9	6.4	10	9.5	25	36	12	3.9	12	4.8	2.1	2.6
12	7.3	6.3	9.0	9.8	20	29	10	3.6	8.8	4.8	2.1	2.3
13	7.6	6.2	8.2	11	19	27	9.7	2.3	10	4.8	2.0	2.9
14	11	20	7.5	9.4	18	24	8.8	5.9	12	4.5	2.0	2.6
15	11	30	7.0	8.6	17	28	6.2	4.3	11	4.3	1.9	187
16	9.3	20	6.6	8.1	25	57	5.1	3.9	10	3.9	2.0	17
17	21	400	6.4	7.8	60	29	5.3	74	5.9	3.4	10	2.9
18	36	100	6.2	8.2	40	27	16	25	4.8	3.6	5.0	1.7
19	16	40	6.0	9.0	24	27	9.3	21	6.6	3.6	3.3	1.7
20	8.0	30	5.8	15	20	21	7.3	9.3	5.6	3.4	2.8	1.7
21	6.6	25	5.8	25	18	19	6.9	6.2	5.3	4.3	3.1	1.5
22	5.6	20	5.6	18	16	57	5.3	5.6	5.3	3.6	3.6	1.5
23	6.6	20	5.6	14	15	55	4.8	4.8	5.6	4.1	3.4	1.5
24	5.9	18	10	13	14	33	4.5	15	5.3	3.4	3.5	1.5
25	5.3	16	8.4	12	18	24	3.6	103	4.8	13	2.9	1.4
26	4.8	50	7.0	11	17	21	3.2	612	11	10	2.6	1.4
27	95	200	6.5	11	15	20	2.7	176	5.1	4.8	2.4	1.8
28	128	50	6.0	11	15	19	2.7	74	4.5	4.1	2.3	2.1
29	20	35	5.8	10	---	351	2.9	34	4.3	3.6	15	1.9
30	13	25	5.6	10	---	844	3.2	17	5.3	3.4	5.0	1.8
31	11	---	5.4	10	---	205	---	13	---	3.1	15	---
TOTAL	561.1	1195.9	314.4	359.0	1738	3438	645.5	1315.3	649.2	737.7	116.3	466.3
MEAN	18.1	39.9	10.1	11.6	62.1	111	21.5	42.4	21.6	23.8	3.75	15.5
MAX	128	400	21	35	800	844	167	612	156	276	15	187
MIN	4.8	6.2	5.4	4.9	14	19	2.7	2.3	4.3	3.1	1.9	1.4
CFSM	.34	.74	.19	.22	1.15	2.06	.40	.79	.40	.44	.07	.29
IN.	.39	.83	.22	.25	1.20	2.37	.45	.91	.45	.51	.08	.32
CAL YR 1980	TOTAL	46820.2	MEAN	128	MAX	5500	MIN	3.4	CFSM	2.38	IN	32.31
WTR YR 1981	TOTAL	11536.7	MEAN	31.6	MAX	844	MIN	1.4	CFSM	.59	IN	7.96

YAZOO RIVER BASIN

07280340 SOUTH FORK TILLATOBA CREEK NEAR CHARLESTON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1977 to current year.

REMARKS.--Sediment samples are collected by a local observer.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTANTANEOUS (CFS)	SSEDIMENT, SUSPENDED (MG/L)	SSEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
OCT				
06...	1600	6.6	55	.98
10...	1610	4.8	56	.73
17...	1730	16	70	3.0
27...	1610	130	96	34
NOV				
14...	1700	20	560	12
21...	1630	25	92	6.2
26...	1600	50	78	11
28...	1630	50	80	11
DEC				
01...	1600	24	63	4.5
04...	1630	15	66	2.7
08...	1600	18	76	3.7
12...	1600	9.0	52	1.3
29...	1400	5.8	72	1.1
JAN				
02...	1400	5.2	86	1.2
FEB				
01...	0900	2290	5620	34700
08...	1000	16	76	3.7
17...	1600	60	73	12
23...	1600	15	90	3.6
MAR				
04...	1620	1120	114	345
04...	1730	1040	112	314
15...	1000	20	102	5.5
21...	1530	17	94	4.3
29...	1145	26	48	3.4
29...	1600	145	1130	442
29...	1600	248	1320	884
29...	1915	602	2460	4000
29...	2105	1410	4460	17000
29...	2225	1780	4280	20600
30...	1445	477	1270	1640
APR				
01...	1425	149	310	125
08...	1425	34	52	4.8
15...	1510	6.2	29	.49
22...	1515	4.8	60	.78
MAY				
06...	1435	46	139	17
27...	0815	185	616	308
JUN				
03...	1710	46	82	10
10...	1745	12	49	1.6
JUL				
01...	1655	108	620	181
SEP				
02...	1610	25	184	12
15...	1000	83	880	197
16...	1350	11	281	8.3
23...	1420	1.4	61	.23
30...	1820	2.0	86	.46

07281000 TALLAHATCHIE RIVER AT SWAN LAKE, MS

LOCATION.--Lat 33°51'35", long 90°16'35", on line between secs.14 and 15, T.23 N., R.1 W., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, on downstream side of left pier of highway bridge, 1.0 mi (1.6 km) southeast of Swan Lake, 3.0 mi (4.8 km) downstream from Cassidy Bayou, and 18.0 mi (29.0 km) downstream from point where Panola-Quitman Floodway empties into Tallahatchie River.

DRAINAGE AREA.--5,130 mi² (13,290 km²), approximately.

PERIOD OF RECORD.--November 1929 to September 1938 (except low-water periods). October 1938 to September 1980. Monthly discharge only for some periods, published in WSP 1311. Gage-height records collected in same vicinity since November 1904 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1711: 1932(M).

GAGE.--Water-stage recorder. Datum of gage is 113.38 ft (34.558 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 11, 1934, nonrecording gage at datum 2.00 ft (0.610 m) higher; Oct. 11, 1934, to Sept. 18, 1944, nonrecording gage at present datum; and Sept. 19, 1944, to Dec. 31, 1958, water-stage recorder at present datum; all at site 1.3 mi (2.1 km) upstream. Oct. 4, 1944, to Dec. 31, 1958, auxiliary water-stage recorder at site 2.8 mi (4.5 km) downstream from former base gage at datum 0.95 ft (0.290 m) lower. Nov. 22, 1939, to Oct. 3, 1944, auxiliary nonrecording gage at site 3.8 mi (6.1 km) downstream from former base gage at same datum.

REMARKS.--Flow partly regulated by Sardis Lake on Little Tallahatchie River (see station 07272000), Enid Lake on Yocona River (see station 07274500), and Arkabutla Lake on Coldwater River (see station 07278000).

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--42 years (1938-80), 7,620 ft³/s (215.8 m³/s), 20.17 in/yr (512 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 49,200 ft³/s (1,390 m³/s) Apr. 9, 1933; maximum gage height, 37.0 ft (11.278 m) Jan. 15, 1932, present datum (affected by break in levee); minimum daily discharge determined, 213 ft³/s (6.03 m³/s) Oct. 27, 1942; minimum gage height, 1.38 ft (0.421 m) Oct. 26-28, 1942.

EXTREMES FOR WATER YEAR 1980.--Maximum daily discharge, 20,700 ft³/s (586 m³/s) Mar. 23; minimum daily, 5,440 ft³/s (154 m³/s) Sept. 16, 18.

NOTE.--Records for 1981 water year will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9190	8350	12700	15600	11600	7490	19200	16600	13000	14600	7610	6450
2	9350	8380	12800	15300	11700	7250	18800	16500	12600	14100	7490	6390
3	9450	8350	12800	15100	11700	7180	18300	16100	12300	13200	7490	6390
4	9540	8300	12900	15000	11700	7000	17900	16000	12100	12200	7550	6390
5	9740	8210	12900	14300	11700	6940	17200	15800	11800	11100	7610	6450
6	9800	8120	13000	13600	11500	7000	17000	15600	11600	9880	7610	6450
7	9740	8040	13000	13200	11200	6940	16800	15600	11400	8890	7550	6390
8	9740	8000	13000	12700	10900	10100	16300	15500	11100	8070	7490	6390
9	9660	7830	13000	12100	11100	10500	16100	15300	10400	7940	7490	6330
10	9290	8930	13100	11600	11500	10900	16000	15300	9400	8000	7550	6330
11	9330	8500	13100	11200	11700	11000	15800	15200	8390	7940	7610	6260
12	9310	7120	13100	11500	11700	11100	16100	15000	7610	7800	7610	6390
13	9300	6840	13300	11500	11700	12000	17700	14800	6940	7740	7610	6390
14	9270	7210	13600	11500	11800	12400	19500	14800	6570	7610	7550	6450
15	9250	7640	13900	11200	11800	12600	20200	14500	6390	7610	7610	6260
16	9240	7830	14200	11000	11800	12600	20000	14300	6390	7490	7550	5440
17	9210	7860	14300	10700	11500	14100	19700	14100	6330	7490	7550	5820
18	9180	7880	14500	10400	11400	15800	19200	13800	6510	7490	7550	5440
19	9140	7880	14600	10300	11100	17000	18800	13500	6630	7610	7550	5760
20	9040	7860	14600	10000	10900	18300	18300	13200	6820	7550	7550	5820
21	8910	7860	14600	9950	10500	19500	18100	13100	7250	7610	7490	5820
22	8780	8070	14500	9950	10200	20500	17900	13000	7310	8570	7490	5820
23	8750	9500	14500	10900	9800	20700	17700	13800	7370	9240	7310	5760
24	8660	10500	14100	11500	9240	20500	17500	14300	7800	9400	7180	5760
25	8560	12400	15100	11800	8960	20200	17200	14500	11800	9030	7000	5760
26	8450	13100	15500	12000	8600	19700	17200	14600	13500	8680	6760	5760
27	8340	13400	15600	12000	8260	19200	17200	14600	14800	8460	6570	5820
28	8250	13300	15600	11800	7940	19000	17000	14500	15100	8260	6570	6010
29	8230	13000	15600	11700	7680	19200	17000	14300	15100	8130	6510	8070
30	8180	12800	15600	11500	---	19500	16600	14000	15100	7870	6510	8680
31	8240	---	15500	11600	---	19500	---	13500	---	7740	6450	---
TOTAL	281120	273460	434600	372500	311180	435700	532300	455700	299410	277260	227020	187250
MEAN	9068	9115	14020	12020	10730	14050	17740	14700	9980	8944	7323	6242
MAX	9800	13400	15600	15600	11800	20700	20200	16600	15100	14600	7610	8680
MIN	8180	6840	12700	9950	7680	6940	15800	13000	6330	7490	6450	5440

CAL YR 1979 TOTAL 4437200 MEAN 12160 MAX 18200 MIN 4740 † +682
WTR YR 1980 TOTAL 4087500 MEAN 11170 MAX 20700 MIN 5440 † -990

† Change in contents, equivalent in cubic feet per second, in Sardis, Enid, and Arkabutla Lakes (see stations 07272000, 07274500, and 07278000).

YAZOO RIVER BASIN

07282000 YALOBUSHA RIVER AT CALHOUN CITY, MS

LOCATION.--Lat 33°50'20", long 89°18'55", in SE¼SE¼ sec.23, T.23 N., R.9 E., Choctaw Meridian, Calhoun County, Hydrologic Unit 08030205, on left bank of Yalobusha River Canal at downstream side of bridge on State Highway 9, 0.8 mi (1.3 km) upstream from Topashaw Creek, 1.2 mi (1.9 km) south of Calhoun City, 1.5 mi (2.4 km) upstream from old channel, and 4.8 mi (7.7 km) upstream from Topashaw Creek Canal. Records include flow in Topashaw Creek Canal and all supplemental channels.

DRAINAGE AREA.--305 mi² (790 km²), combined drainage area of all channels.

PERIOD OF RECORD.--October 1950 to current year.

REVISED RECORDS.--WRD Miss. 1970: 1969(M). WDR MS-78-1: 1977(P).

GAGE.--Water-stage recorder. Datum of gage is 226.06 ft (68.903 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 1, 1972, datum of gage was 10.00 ft (3.048 m) higher. Prior to Nov. 15, 1950, nonrecording gage at site 75 ft (23 m) downstream at same datum. Water-stage recorder on Topashaw Creek Canal, 2.5 mi (4.0 km) southwest of base gage. Prior to Aug. 16, 1963, nonrecording gage and crest-stage gage on Topashaw Creek Canal.

REMARKS.--Records poor. Doubtful gage-height record Apr. 4 to May 11 on Yalobusha River Canal and doubtful gage height record Dec. 14 to Jan. 19, Apr. 3 to May 17, May 30 to Aug. 31 on Topashaw Creek. Discharge computed by combining the flow of individually rated Yalobusha River and Topashaw Creek Canal. Channel rectification of both Yalobusha River and Topashaw Creek was completed in 1967.

AVERAGE DISCHARGE.--31 years, 403 ft³/s (11.41 m³/s), 17.94 in/yr (456 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,100 ft³/s (1,480 m³/s) Mar. 16, 1973; maximum gage height at river gage, 25.22 ft (7.687 m) Mar. 29, 1951 (present datum); no flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,560 ft³/s (271 m³/s) Mar. 30, gage height, 18.03 ft (5.496 m); minimum daily, 0.85 ft³/s (0.024 m³/s) Aug. 15.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	129	15	52	19	1510	67	1630	14	79	2.5	2.3	29
2	43	11	42	18	1640	95	863	13	118	6.7	2.1	67
3	27	9.5	31	18	562	71	373	11	161	12	1.9	1270
4	16	8.5	26	18	256	908	218	11	148	9.1	1.7	338
5	12	7.9	25	17	174	1230	166	9.7	120	68	1.6	105
6	11	7.0	24	21	151	522	102	9.3	124	349	1.5	41
7	9.4	6.7	22	63	125	252	81	8.6	113	137	1.4	20
8	8.4	6.5	21	51	106	172	58	8.2	89	77	1.4	9.6
9	7.6	6.2	29	36	90	111	49	10	66	44	1.4	6.0
10	10	6.1	83	31	111	79	43	14	51	29	1.3	4.2
11	3.9	6.1	64	28	234	62	36	14	39	19	1.4	3.5
12	3.3	5.5	46	26	119	55	32	9.2	36	14	1.5	2.9
13	3.1	5.9	39	25	91	51	29	6.9	41	9.9	1.7	2.6
14	4.6	7.7	33	24	78	46	24	12	37	7.6	1.4	3.4
15	7.4	28	30	24	71	44	22	6.6	29	6.0	.85	117
16	11	23	29	24	76	108	19	19	22	4.8	2.5	210
17	19	472	27	22	330	76	18	54	16	3.9	17	74
18	25	459	25	20	196	56	18	63	11	3.4	4.6	27
19	25	172	21	19	155	48	26	483	9.0	3.1	9.5	10
20	9.8	76	19	43	127	38	142	152	7.1	2.8	4.6	4.7
21	8.3	48	17	273	103	35	81	67	6.1	12	4.1	3.0
22	5.6	37	17	162	81	61	39	39	5.6	4.9	3.7	2.2
23	4.1	37	16	103	75	151	27	25	4.9	4.3	3.4	1.9
24	3.4	40	22	73	60	90	91	19	4.1	3.9	3.2	1.6
25	3.0	38	21	56	55	61	59	28	3.6	3.5	3.1	1.5
26	3.1	52	21	47	54	48	38	710	3.4	3.4	2.9	1.4
27	46	671	23	42	54	38	27	872	3.8	3.3	2.7	1.4
28	384	271	22	39	52	33	22	384	3.4	3.1	2.6	1.2
29	111	129	21	36	---	151	19	191	3.0	3.0	2.2	1.2
30	53	76	21	32	---	4610	16	129	2.6	2.8	2.7	1.2
31	34	---	20	30	---	1100	---	101	---	2.5	3.3	---
TOTAL	1041.0	2738.6	909	1440	6736	10469	4368	3493.5	1356.6	855.5	95.55	2361.5
MEAN	33.6	91.3	29.3	46.5	241	338	146	113	45.2	27.6	3.08	78.7
MAX	384	671	83	273	1640	4610	1630	872	161	349	17	1270
MIN	3.0	5.5	16	17	52	33	16	6.6	2.6	2.5	.85	1.2
CFSM	.11	.30	.10	.15	.79	1.11	.48	.37	.15	.09	.01	.26
IN.	.13	.33	.11	.18	.82	1.28	.53	.43	.17	.10	.01	.29
CAL YR 1980	TOTAL	218612.40	MEAN	597	MAX	19900	MIN	3.0	CFSM	1.96	IN	26.66
WTR YR 1981	TOTAL	35864.25	MEAN	98.3	MAX	4610	MIN	.85	CFSM	.32	IN	4.37

07283000 SKUNA RIVER AT BRUCE, MS

LOCATION.--Lat 33°53'25", long 89°20'50", in SW¼SW¼ sec.6, T.13 S., R.1 W., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030205, on left (revised) bank on downstream side of bridge on State Highway 9, 1 mi (1.6 km) south of Bruce.

DRAINAGE AREA.--254 mi² (658 km²).

PERIOD OF RECORD.--October 1947 to current year. Prior to March 1948 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WSP 1920: 1958(P), 1959-60(M).

GAGE.--Water-stage recorder. Datum of gage is 228.75 ft (69.723 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 1, 1972, at datum 10.00 ft (3.048 m) higher. October 1947 to Aug. 30, 1948, nonrecording gage; Aug. 31, 1948, to Mar. 23, 1955, water-stage recorder; and Mar. 24, 1955, to Sept. 12, 1958, nonrecording gage at same site.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--34 years, 366 ft³/s (10.36 m³/s), 19.57 in/yr (497 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,400 ft³/s (1,740 m³/s) Mar. 21, 1955, gage height, 34.11 ft (10.397 m), present datum, from rating curve extended above 19,000 ft³/s (538 m³/s) on basis of incomplete current-meter measurement and computation of flow over the road and through bridge openings; minimum, 0.9 ft³/s (0.025 m³/s) Aug. 18, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,900 ft³/s (139 m³/s) Mar. 4, gage height, 14.53 ft (4.429 m), no peak above base of 5,000 ft³/s (142 m³/s); minimum daily, 3.7 ft³/s (1.12 m³/s) Aug. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	156	25	77	31	872	53	199	15	15	28	6.8	128
2	68	23	77	29	1060	64	142	14	497	23	6.4	30
3	42	21	63	28	270	55	93	12	262	12	6.0	15
4	31	43	46	28	212	1300	91	11	315	9.4	5.8	14
5	26	18	43	27	150	791	125	11	229	55	5.7	13
6	24	17	40	19	125	292	98	11	438	243	5.6	12
7	23	17	39	46	110	159	78	11	238	46	5.4	10
8	22	16	38	40	99	106	65	11	123	24	5.2	9.4
9	22	16	47	30	82	82	61	10	55	18	5.0	8.6
10	20	16	75	27	92	68	60	28	34	16	4.8	8.0
11	19	15	61	22	175	60	56	26	28	14	4.6	7.6
12	18	15	49	20	80	51	49	18	30	14	4.4	7.4
13	17	14	44	18	73	47	44	14	153	12	4.3	7.2
14	17	17	40	19	68	42	38	13	34	11	4.2	7.0
15	17	123	37	20	69	37	32	13	22	11	4.1	126
16	17	77	37	20	72	39	29	12	18	9.8	3.9	45
17	18	1430	37	18	321	39	28	18	70	9.4	3.8	19
18	24	736	34	16	217	37	28	22	25	9.0	3.7	11
19	25	159	34	16	136	39	28	20	17	8.6	19	9.0
20	20	93	32	30	103	34	26	15	25	8.3	10	8.3
21	18	71	29	270	82	30	30	12	18	21	7.0	7.9
22	17	59	28	121	77	47	26	11	13	18	6.6	7.9
23	16	57	28	72	67	95	26	9.8	11	11	6.2	7.9
24	15	63	31	55	57	62	28	9.0	9.8	9.4	6.0	7.5
25	17	62	36	46	49	43	24	13	9.0	8.6	5.6	7.2
26	19	59	34	39	46	37	20	357	8.6	15	5.2	6.8
27	53	1110	33	35	43	32	18	697	7.9	9.8	4.8	6.8
28	587	262	32	32	41	28	17	89	7.2	7.8	4.6	6.8
29	92	122	31	28	---	36	16	42	6.8	7.2	28	6.5
30	43	86	31	26	---	1940	15	25	6.5	6.6	16	6.2
31	30	---	31	25	---	315	---	19	---	7.6	14	---
TOTAL	1533	4842	1294	1253	4848	6060	1590	1588.8	2725.8	703.5	222.7	567.0
MEAN	49.5	161	41.7	40.4	173	195	53.0	51.3	90.9	22.7	7.18	18.9
MAX	587	1430	77	270	1060	1940	199	697	497	243	28	128
MIN	15	14	28	16	41	28	15	9.0	6.5	6.6	3.7	6.2
CFSM	.20	.63	.16	.16	.68	.77	.21	.20	.36	.09	.03	.07
IN.	.22	.71	.19	.18	.71	.89	.23	.23	.40	.10	.03	.08
CAL YR 1980 TOTAL	191696.0			524		23400	MIN 11	CFSM 2.06	IN 28.08			
WTR YR 1981 TOTAL	27227.8			74.6		1940	MIN 3.7	CFSM .29	IN 3.99			

07284500 GRENADA LAKE NEAR GRENADA, MS

LOCATION.--Lat 33°48'31", long 89°46'14", in NE¼NE¼ sec.4, T.22 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, at gatehouse of dam on Yalobusha River, 2.2 mi (3.5 km) upstream from Batupan Creek, 3.0 mi (5.0 km) northeast of Grenada, and 63.6 mi (102 km) upstream from mouth of Yalobusha River.

DRAINAGE AREA.--1,320 mi² (3,420 km²), approximately.

PERIOD OF RECORD.--July 1953 to September 1980. Prior to October 1970, published as Grenada Reservoir near Grenada.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 19, 1953, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 160.00 ft (48.768 m) NGVD.

REMARKS.--Reservoir is formed by a rolled-fill earth dam with concrete spillway and outlet tunnel. Storage began June 30, 1953. Capacity, 1,337,400 acre-ft (1,650 hm³) at elevation 231.0 ft (70.41 m), crest of spillway, of which about 1,251,700 acre-ft (1,540 hm³) is available for flood-control storage and about 85,700 acre-ft (106 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 193.0 ft (58.83 m), 24 ft (7.3 m) above sill of outlet gates. Water below 169.0 ft (51.51 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Records furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,575,600 acre-ft (1,940 hm³) Apr. 28, 1973, elevation, 234.48 ft (71.470 m); minimum since initial filling of reservoir to conservation level, 69,900 acre-ft (82.5 hm³) Dec. 4, 1962, elevation, 190.95 ft (58.202 m).

EXTREMES FOR WATER YEAR 1980.--Maximum contents, 1,484,900 acre-ft (1,831 hm³) Apr. 19, elevation, 233.20 ft (71.079 m); minimum, 326,400 acre-ft (402 hm³) Nov. 22, elevation, 207.65 ft (63.292 m).

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

190	59.0	215	549.3
195	106.5	220	747.3
200	171.8	225	986.6
205	264.3	230	1,273.8
210	389.1		

NOTE.--Records for 1981 water year will be published in a subsequent report.

RESERVOIR STORAGE (AC-FT), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	663600	416600	676300	541800	459800	366400	1225800	1441700	1194400	1108600	908100	642100
2	654800	409600	671000	534800	455000	364000	1225700	1426700	1183700	1106300	898700	636800
3	646900	400600	662000	527500	449200	361800	1225800	1426100	1174200	1103500	889300	626400
4	641700	392800	654000	520100	442700	358000	1215100	1417300	1164100	1100100	881500	617800
5	634600	385200	646900	514900	434800	355400	1213000	1408500	1153500	1096600	873300	609400
6	625600	377700	638600	508800	426900	356400	1205200	1399100	1143000	1093800	865200	601100
7	617800	372500	631100	503000	419600	358300	1197400	1389200	1140700	1091000	857100	592000
8	611700	364000	622000	503700	411900	424700	1186100	1381900	1139000	1083200	848000	583700
9	603700	357000	613200	489000	414000	495700	1177200	1372700	1139000	1076000	839500	575200
10	596500	371100	603700	483700	431700	515900	1167700	1360900	1133800	1068800	830600	567100
11	587400	387100	596100	482400	444300	518400	1160000	1350500	1130400	1059400	822300	558800
12	578900	393100	587400	494700	445800	525000	1333500	1340700	1127500	1051700	813100	550000
13	571900	390500	584000	501400	442700	564900	1333500	1331600	1114300	1043400	804400	540800
14	562800	385700	582900	500700	436300	585200	1423400	1323900	1112600	1035800	795300	532700
15	554700	378200	578500	496700	429300	585200	1451800	1327100	1105200	1028800	786200	525000
16	546400	370500	572600	490700	422000	580000	1458700	1307400	1098900	1020200	777800	516300
17	538300	363700	566800	484000	414600	641300	1460000	1297200	1093800	1012200	769300	507700
18	529600	356200	558000	478400	406400	769800	1466900	1297800	1096100	1003600	760500	500400
19	521200	348800	549700	472300	398600	815400	1484900	1287700	1092700	995600	752100	493300
20	511800	341500	541800	465800	389700	838500	1483600	1281400	1089300	988200	743800	484000
21	503700	333900	533800	458200	381600	914000	1476600	1273200	1085400	981900	737000	476800
22	495700	327100	526800	455300	373300	961700	1468200	1268800	1079300	976200	728900	468700
23	488000	342200	520100	471900	371400	973600	1458700	1262600	1077100	976700	719500	460400
24	479400	407600	532700	484400	371100	990300	1447100	1260200	1081500	967900	710600	452400
25	471000	463300	568200	486000	369700	1015900	1438300	1257100	1106900	964300	701400	444600
26	462000	580300	578500	484400	369400	1026100	1461400	1246600	1112600	960700	693100	440900
27	451300	658000	577000	480700	367000	1060400	1470300	1241100	1113800	952400	684100	432000
28	444300	677500	573700	475200	366100	1081500	1464800	1231900	1112600	941700	675400	429900
29	436600	678300	565300	470000	367000	1170100	1458000	1224600	1111500	933000	667700	452100
30	429600	678300	567300	460100	---	1201000	1451200	1214800	1110300	925000	658800	466200
31	422600	---	546700	461000	---	1217300	---	1204600	---	916000	650400	---
MAX	663600	678300	676300	541800	459800	1217300	1484900	1441700	1194400	1108600	908100	642100
MIN	422600	327100	520100	455300	366100	355400	1160000	1204600	1077100	916000	650400	429900
†	211.01	218.37	214.88	212.34	209.16	229.19	232.62	228.75	227.25	223.52	217.52	212.69
‡	-248100	+260300	-133700	-85600	-93500	+858100	+221100	-247700	-87600	-198700	-266600	-173800
CAL YR 1979	MAX	1147700	MIN	134600	‡	+415600						
WTR YR 1980	MAX	1484900	MIN	327100	‡	-195800						

† Elevation, in feet, at 2400, on last day of month.

‡ Change in contents, in acre-feet.

07285000 YALOBUSHA RIVER AT GRENADA DAM, NEAR GRENADA, MS

LOCATION.--Lat 33°48'31", long 89°46'14", in NE¼NE¼ sec.4, T.22 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, in gatehouse of Grenada Dam, 2.2 mi (3.5 km) upstream from Batupan Creek, 2.7 mi (4.3 km) northeast of Grenada, and 63.6 mi (102.3 km) upstream from mouth.

DRAINAGE AREA.--1,320 mi² (3,420 km²), approximately.

PERIOD OF RECORD.--July 1953 to September 1980.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 19, 1953, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 160.00 ft (48.768 m) NGVD.

REMARKS.--Flow completely regulated by Grenada Lake (see station 07284500).

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--27 years, 1,930 ft³/s (54.66 m³/s), 19.86 in/yr (504 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 6,510 ft³/s (184 m³/s) Feb. 12, 1974; no flow at times prior to Jan. 1, 1959.

EXTREMES FOR WATER YEAR 1980.--Maximum discharge, 5,750 ft³/s (163 m³/s) Apr. 24, minimum, 5.0 ft³/s (0.14 m³/s) at times.

NOTE.--Records for 1981 water year will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4000	3900	4550	4650	4950	1000	4500	4850	5150	1050	3700	3800
2	4000	4150	4500	4600	5000	1000	1800	4900	5150	1050	3800	3800
3	3950	4100	4500	4600	4950	1650	3450	4800	5150	1050	3800	3850
4	3950	4000	4500	4550	4950	2450	4450	4650	5100	1050	3800	3900
5	3950	3700	4500	4550	5000	750	4950	4850	5100	1050	3800	3900
6	3950	3050	4600	4500	4950	250	4950	5000	2600	1050	3850	3850
7	3950	3650	4650	4500	5050	100	5000	4900	550	2300	4050	3800
8	3900	4050	4650	4500	5150	500	5150	4850	550	3450	4000	3800
9	4000	1800	4650	4450	4450	1650	5150	5050	750	3450	4000	3800
10	4000	3000	4600	4450	3550	3050	5100	4950	1350	3450	4000	3950
11	4000	1700	4600	4450	4100	4750	4100	4850	1650	3450	4000	3950
12	4000	3350	4600	4500	5100	1600	5	5000	2700	3500	4000	3950
13	3950	4100	4500	4500	5050	2650	300	5250	2950	3500	3950	3900
14	3950	4300	4600	4500	5100	4750	1300	5250	2950	3500	3950	3850
15	3900	4200	4550	4500	5050	5100	1650	5000	2950	3500	3950	3900
16	4000	4200	4550	4450	5050	3100	1700	5100	3000	3650	3950	3950
17	4100	4100	4550	4450	5000	5	2120	5100	2350	3650	3950	3700
18	4150	4050	4600	4600	4950	5	3100	5100	1600	3650	3900	2800
19	4150	3950	4700	4750	5050	5	4100	5050	3250	3700	3800	3950
20	4100	3900	4650	4650	5100	5	4800	5000	3400	3700	3200	3400
21	4100	4000	4600	4650	5050	5	5300	5000	3350	3700	3650	3900
22	4050	3800	4550	4750	3250	5	5500	5050	3350	3700	3950	3900
23	4000	5	4600	4800	1000	5	5400	4650	3350	3000	3950	3900
24	3950	5	4650	4800	1000	5	5750	100	1100	2100	3950	3900
25	4100	5	4700	4800	1000	5	4700	5200	5	2700	3900	3900
26	4150	100	4750	4800	1000	5	4200	5200	5	3700	3900	3900
27	4100	300	4800	4750	1000	5	4700	5150	150	3700	3850	3900
28	4050	900	4800	4850	1000	5	5000	3950	350	3700	3900	1150
29	4000	2000	4750	4900	1000	5	5000	5150	350	3700	3850	5
30	4000	3600	4700	4900	---	5	4900	5150	550	3700	3850	5
31	3850	---	4700	4900	---	5	---	5150	---	3650	3800	---
TOTAL	124300	87965	143200	143600	112850	34425	118125	149250	70810	92100	120000	104260
MEAN	4010	2832	4619	4632	3891	1110	3938	4815	2360	2971	3871	3475
MAX	4150	4300	4800	4900	5150	5100	5750	5250	5150	3700	4050	3950
MIN	3850	5.0	4500	4450	1000	5.0	5.0	100	5.0	1050	3200	5.0
†	-4035	+4374	-2174	-1392	-1626	+13956	+3716	-4028	-1472	-3232	-4336	-2921

CAL YR 1979 TOTAL 1008805.0 MEAN 2764 MAX 4800 MIN 5.0 † +574
WTR YR 1980 TOTAL 1300885.0 MEAN 3554 MAX 5750 MIN 5.0 † -270

† Change in contents, equivalent in cubic feet per second, in Grenada Lake (see station 07284500).

YAZOO RIVER BASIN

07287000 YAZOO RIVER AT GREENWOOD, MS

LOCATION.--Lat 33°31'17", long 90°11'03", in NE¼SW¼ sec.10, T.19 N., R.1 E., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, on left bank 110 ft (34 m) downstream from bridge on U.S. Highways 49E and 82 (old) in Greenwood, 0.4 mi (0.6 km) downstream from Palusha Bayou, 3.0 mi (4.8 km) downstream from confluence of Tallahatchie and Yalobusha Rivers, and at mi 170.8 (274.8 km).

DRAINAGE AREA.--7,450 mi² (19,300 km²), approximately.

PERIOD OF RECORD.--October 1907 to December 1912, April to June 1913, and October 1927 to September 1980. Monthly discharge only for some periods, published in WSP 1311. January 1909 to December 1927 (discharge measurements only), January 1928 to 1964 in reports of Mississippi River Commission, and since January 1947 in reports of Corps of Engineers. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder, and nonrecording gage read twice daily. Datum of gage is 92.07 ft (28.063 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1940, nonrecording gages on highway bridges 110 ft (33.5 m) upstream at various datums.

REMARKS.--Flow partly regulated since Aug. 26, 1939, by Sardis Lake on Tallahatchie River (see station 07272000), Enid Lake on Yocona River (see station 07274500), Arkabutla Lake on Coldwater River (see station 07278000), and Grenada Lake on Yalobusha River (see station 07284500). Discharge computed by combining flows of Yazoo River and Fort Pemberton cutoff since Mar. 16, 1973.

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--58 years (1907-12, 1927-80), 10,439 ft³/s (295.6 m³/s), 19.03 in/yr (483 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 72,900 ft³/s (2,060 m³/s) Jan. 19, 1932, gage height, 40.10 ft (12.222 m); minimum, 536 ft³/s (15.2 m³/s) Oct. 20, 1943; minimum gage height observed, 1.0 ft (0.305 m) Oct. 17, 1908, present datum.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1882 reached a stage of 41.2 ft (12.56 m), caused by overflow from Mississippi River (discharge not determined), from reports of Mississippi River Commission.

EXTREMES FOR WATER YEAR 1980.--Maximum daily discharge, 28,200 ft³/s (799 m³/s) Apr. 16, 17; minimum daily, 9,800 ft³/s (278 m³/s) Mar. 7.

NOTE.--Records for 1981 water year will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13100	12900	17500	21500	20000	11500	27900	26400	21100	19600	13100	11100
2	13300	12900	17500	21500	19900	11000	27600	26300	20800	19500	12900	11100
3	13400	12900	17500	21400	19700	10700	27200	26000	20600	19300	12600	11100
4	13600	12900	17500	21500	19600	10300	27000	25800	20300	18900	12500	11100
5	13200	12900	17500	21400	19400	10900	26700	25400	20200	18400	12600	11100
6	13900	12700	17500	21300	19300	10600	26400	25100	19700	17600	12600	11100
7	13900	12300	17400	21300	19000	9800	26300	24900	19400	16600	12500	11200
8	13900	12200	17400	21100	18800	15200	25800	24600	18400	15400	12500	11100
9	13900	13300	17400	20800	20300	16900	25800	24400	17500	14700	12600	11100
10	13900	14900	17500	20500	20800	17300	25500	24100	16400	14400	12600	11100
11	13800	14200	17500	20500	20900	17400	25400	23700	15400	14100	12600	11000
12	13800	12700	17700	20700	20800	18200	26300	23500	14200	13700	12800	11000
13	13600	11700	18100	20700	20700	20200	27100	23300	13100	13400	12800	11000
14	13600	11600	18300	20500	20500	20700	28000	23100	12300	13200	12800	11100
15	13600	11900	18300	20300	20300	20900	28100	22900	11700	13000	12600	11100
16	13600	12200	18500	20000	20100	21100	28200	23100	11200	12800	12600	11100
17	13600	12500	18500	19600	19900	21400	28200	22900	11000	12600	12600	11100
18	13500	12500	18500	19400	19600	24200	28100	23300	11100	12500	12400	10700
19	13600	12500	18500	18900	19400	24600	27900	23100	10400	12500	12500	10100
20	13600	12300	18600	17900	19100	25100	27700	23000	11100	12500	12500	10100
21	13500	12300	18600	18200	18800	26200	27600	22700	11400	12600	12300	10200
22	13500	12600	18700	18300	18400	26400	27500	22700	11800	12900	12100	10300
23	13500	15600	18900	19700	17900	26600	27200	22700	12000	15100	12100	10300
24	13400	17300	19700	20000	17000	26700	27100	22600	13200	15700	12100	10300
25	13300	18200	20100	20200	15900	26700	27000	22400	18900	15100	12000	10300
26	13200	18700	20300	20200	14800	26700	27200	22000	19700	14400	11800	10400
27	13100	18800	20400	20200	13800	26400	27200	21900	20100	14300	11500	10400
28	13100	18600	20400	20200	13000	27500	27200	21800	20100	14200	11500	10700
29	13000	18100	20600	20200	12200	27600	26800	21500	19900	14000	11300	12500
30	13000	17800	20600	19900	---	28000	26700	21300	19700	13700	11300	13800
31	13000	---	20700	20100	---	28000	---	21200	---	13500	11200	---
TOTAL	418000	422000	576200	628000	539900	634800	812700	727700	482700	460200	381900	328600
MEAN	13480	14070	18590	20260	18620	20480	27090	23470	16090	14850	12320	10950
MAX	13900	18800	20700	21500	20900	28000	28200	26400	21100	19600	13100	13800
MIN	13000	11600	17400	17900	12200	9800	25400	21200	10400	12500	11200	10100
CAL YR 1979 TOTAL	6224370			MEAN 17050	MAX 25300	MIN 8660	+1256					
WTR YR 1980 TOTAL	6412700			MEAN 17520	MAX 28200	MIN 9800	+1278					

+ Change in contents, equivalent in cubic feet per second, in Sardis, Arkabutla, Enid, and Grenada Lakes (see stations 07272000, 07274500, 07278000, and 07284500).

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS
(National stream-quality accounting network station)
(National pesticide water monitoring program station)

LOCATION.--Lat 33°23'48", long 90°16'19", in NW¼ sec.26, T.18 N., R.1 W., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, on downstream side of Poindexter Bridge on county road at Phillipstown, 1.8 mi (2.9 km) east of Shell Bluff, 2.5 mi (4.0 km) east of intersection of county road and State Highway 7, 4.8 mi (7.7 km) east of Morgan City, and at mile 149.8 (241.0 km).

DRAINAGE AREA.--7,650 mi² (19,810 km²), approximately.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1975 to August 1981 (discontinued).

WATER TEMPERATURE: October 1975 to August 1981 (discontinued).

INSTRUMENTATION.--Specific conductance/temperature recorder from October 1975 to August 1981.

REMARKS.--Prior to July 27, 1979, specific conductance listed as 50 micromhos represent 50 micromhos or less due to instrument limitations. After July 27, 1979, and prior to June 5, 1980, specific conductance listed as 30 micromhos represent 30 micromhos or less due to instrument limitations. Interruptions in the record were due to malfunctions of the instrument. Stage-discharge relation based on intermittent discharge measurements.

COOPERATION.--Discharge measurements were furnished by Corps of Engineers. Pesticide analyses were performed by U.S. Environmental Protection Agency.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 119 micromhos Apr. 27, 1978; minimum, 47 micromhos Apr. 16-17, 1980.

WATER TEMPERATURE: Maximum, 31.0°C Aug. 26, 1978; minimum, 1.5°C Jan. 20, 21, 1978, Jan. 10-12, 15, 1979.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 200 micromhos Jan. 3, 1977; minimum, 44 micromhos Apr. 6, 1977, Mar. 25, 1979.

WATER TEMPERATURE: Maximum, 31.0°C July 5-8, 15, 16, 1977; minimum, 0.0°C Jan. 18-22, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 33.0°C July 17-18, 23-24; minimum, 4.5°C Jan. 17-19.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CaCO ₃)	HARD- NESS NONCAR- BONATE (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
OCT												
14...	1400	11600	60	6.9	16.5	8.2	9.0	K150	K31	22	3.0	5.2
NOV												
05...	1500	9800	75	7.2	15.5	7.6	10.3	K83	K75	24	1.0	5.8
DEC												
04...	1120	11700	75	6.9	9.5	29	11.4	600	K330	24	1.0	5.8
JAN												
14...	1000	2500	132	7.4	5.0	12	12.5	83	93	51	5.0	13
FEB												
04...	1000	12400	74	6.9	6.0	60	10.7	--	>500	21	4.0	4.9
24...	1000	6000	90	7.1	11.0	.40	9.7	130	1800	29	11	7.4
MAR												
26...	1000	3500	112	7.3	14.0	55	9.0	700	280	36	.00	10
APR												
30...	1200	1000	179	7.2	25.0	94	6.5	230	K44	73	4.0	19
MAY												
26...	1000	6600	80	7.1	22.0	330	5.5	--	>500	25	9.0	6.5
JUN												
23...	0900	2100	145	8.3	29.5	100	5.6	K180	K12	57	4.0	15
JUL												
28...	1100	3600	136	7.7	31.0	89	5.1	K200	K69	56	.00	14
SEP												
01...	1000	1900	170	7.8	27.0	50	6.5	200	K31	67	.00	16

YAZOO RIVER BASIN

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLOR- IDE, DIS- SOLVED (MG/L AS CL)	FLUOR- IDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)
OCT 14...	2.1	3.6	24	.3	2.2	19	5.9	3.8	.1	4.1	50	39
NOV 05...	2.3	4.0	25	.4	2.0	23	5.8	3.3	.0	3.0	50	41
DEC 04...	2.2	3.8	24	.3	2.6	23	7.9	3.8	.1	6.1	52	47
JAN 14...	4.6	6.7	21	.4	2.1	46	7.6	4.7	<.1	12	87	80
FEB 04...	2.1	4.9	30	.5	2.8	17	8.1	4.4	<.1	5.7	50	45
24...	2.5	4.8	25	.4	2.3	18	8.7	4.0	<.1	7.7	70	50
MAR 26...	2.7	5.7	24	.4	2.5	36	6.6	4.3	.1	10	77	66
APR 30...	6.3	8.2	19	.4	2.6	69	7.5	4.8	.1	13	112	105
MAY 26...	2.1	3.8	22	.3	3.0	16	5.1	2.3	.1	6.1	43	43
JUN 23...	4.7	5.6	17	.3	3.3	53	4.5	3.4	.1	10	95	81
JUL 28...	5.0	7.1	21	.4	3.2	56	4.2	4.3	.2	9.8	95	84
SEP 01...	6.5	7.9	20	.4	3.1	68	3.5	4.9	.2	7.5	110	92
	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT 14...	.07	1570	.13	.14	.040	.050	.05	.06	.43	.31	.47	.11
NOV 05...	.07	1320	.11	.13	.030	.050	.04	.06	.42	.16	.45	.24
DEC 04...	.07	1640	.26	.29	.060	.090	.07	.12	.43	.31	.49	.09
JAN 14...	.12	587	.20	.21	.120	.120	.15	.15	.20	.08	.32	.12
FEB 04...	.07	1670	.33	.35	.070	.090	.11	.12	.69	.22	.76	.45
24...	.10	1130	.41	.47	.150	.160	.18	.21	.49	.38	.64	.10
MAR 26...	.10	728	.40	.40	.090	.080	.11	.10	.09	.13	.18	.00
APR 30...	.15	302	.37	.39	.100	.090	.12	.12	.61	.28	.71	.34
MAY 26...	.06	766	1.0	1.0	.470	.200	.57	.26	.83	.37	1.30	.73
JUN 23...	.13	539	.48	.48	.060	.050	.07	.06	.85	.39	.91	.47
JUL 28...	.13	923	.38	.46	.010	.040	.01	.05	.57	.28	.58	.26
SEP 01...	.15	564	.30	.30	.050	.030	.06	.04	.54	.33	.59	.23

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT											
14...	.36	.60	2.7	.110	.34	.030	--	--	210	6580	94
NOV											
05...	.21	.56	2.5	.100	.31	.020	3.8	8500	91	2410	98
DEC											
04...	.40	.75	3.3	.170	.52	.030	6.4	--	164	5180	86
JAN											
14...	.20	.52	2.3	.110	.34	.010	--	--	--	--	--
FEB											
04...	.31	1.1	4.8	.380	1.2	.030	8.1	--	536	17900	98
24...	.54	1.1	4.6	.080	.25	.030	5.5	18000	225	3650	98
MAR											
26...	.21	.58	2.6	.180	.55	.020	--	--	278	2630	10
APR											
30...	.37	1.1	4.8	.310	.95	.030	6.3	31000	186	502	100
MAY											
26...	.57	2.3	10	.750	2.3	.030	14	1200	1450	25800	99
JUN											
23...	.44	1.4	6.2	.370	1.1	.050	--	15000	152	862	96
JUL											
28...	.32	.96	4.3	.240	.74	.240	--	16000	258	2510	88
SEP											
01...	.36	.89	3.9	.190	.58	.050	4.7	17000	116	595	100

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BA)	BARIIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDED RECOV- ERABLE (UG/L AS CR)
OCT											
14...	1	1	0	100	80	20	8	0	8	10	10
JAN											
14...	3	2	1	100	40	60	6	0	6	20	10
MAR											
26...	1	0	1	100	0	100	1	0	3	20	10
JUN											
23...	2	0	2	100	40	60	3	0	6	10	0

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	CORALT, SUS- PENDED RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT											
14...	0	0	0	0	2	0	3	2300	2300	30	1
JAN											
14...	10	5	5	0	3	3	0	2600	2500	80	5
MAR											
26...	10	1	1	0	7	3	4	5600	5500	100	26
JUN											
23...	10	1	1	0	10	5	5	7900	7900	40	13

DATE	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PR)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)
OCT											
14...	0	1	260	250	10	<.1	<.1	2	0	3	0
JAN											
14...	1	4	250	10	240	.1	<.1	3	3	0	0
MAR											
26...	23	3	240	140	100	.3	<.1	9	2	7	0
JUN											
23...	13	0	270	170	100	.2	<.1	5	0	6	0

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	CARBON, ORGANIC DISSOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
OCT 14...	0	0	0	0	30	10	20	3.7	1.4
JAN 14...	0	0	5	3	2	20	--	2.6	1.2
MAR 26...	0	0	1	1	0	30	10	4.1	1.4
JUN 23...	0	0	0	0	0	30	20	4.6	2.8

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

[illegible][illegible]

YAZOO RIVER BASIN

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07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

DATE TIME	NOV 5, 80 1500	FER 24, 81 1000	APR 30, 81 1200	MAY 26, 81 1000
TOTAL CELLS/ML	8500	18000	31000	1200
DIVERSITY: DIVISION	1.2	1.1	1.7	1.1
..CLASS	1.2	1.1	1.7	1.1
...ORDER	1.5	1.8	2.2	2.1
...FAMILY	1.6	2.0	2.7	2.1
....GENUS	1.9	2.2	3.7	2.2

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)								
..BACILLARIOPHYCEAE								
...BACILLARIALES								
....NITZSCHIA	120	1	1700	9	1200	4	28	2
...EUPODISCALES								
....COSCINODISCAEAE								
....CYCLOTELLA	170	2	590	3	3600	12	--	--
....MELOSIRA	5500#	64	11000#	62	4300	14	440#	37
..FRAGILARIALES								
...FRAGILARIACEAE								
....ASTERIONELLA	--	--	470	3	--	--	--	--
..NAVICULALES								
...GOMPHONEMACEAE								
....GOMPHONEMA	--	--	*	0	--	--	--	--
...NAVICULACEAE								
....GYROSIGMA	--	--	--	--	--	--	--	--
....NAVICULA	--	--	120	1	--	--	83	7
...PINNULARIA	--	--	--	--	--	--	14	1
..SURIPELLALES								
...SURIPELLACEAE								
....SURIPELLA	--	--	--	--	--	--	28	2
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
...CHLOROCOCCACEAE								
....SCHROEDERIA	--	--	--	--	--	--	--	--
....TETRAEDRON	--	--	--	--	--	--	--	--
...COCCOMYXACEAE								
....ELAKATOTHRIX	--	--	--	--	230	1	--	--
...DICTYOSPHAERIAEAE								
....DICTYOSPHAERIUM	67	1	710	4	2300	8	--	--
....WESTELLA	--	--	--	--	--	--	--	--
...HYDRODICTYACEAE								
....PEDIASTRUM	--	--	--	--	--	--	--	--
...MICRACTINIACEAE								
....MICRACTINIUM	--	--	--	--	230	1	--	--
...ODCYSTACEAE								
....ANKISTRODESMUS	84	1	830	5	470	2	--	--
....CHODATELLA	--	--	120	1	--	--	--	--
....FRANCEJA	--	--	--	--	*	0	--	--
....KIRCHNERIELLA	130	2	--	--	350	1	--	--
...NEPHROCITIUM	--	--	--	--	--	--	--	--
....ODCYSTIS	67	1	--	--	--	--	--	--
...SELENASTRUM	50	1	--	--	--	--	--	--
...TREUBARIA	--	--	--	--	--	--	--	--
...PALMELLACEAE								
....SPHAEROCYSTIS	--	--	--	--	--	--	--	--
...SCENEDESMACEAE								
....ACTINASTRUM	--	--	--	--	930	3	--	--
....COFLASTRUM	--	--	--	--	1900	6	--	--
....CRUCIGENIA	--	--	240	1	--	--	--	--
...GLOEOACTINIUM	--	--	--	--	--	--	--	--
....SCENEDESMUS	--	--	120	1	1600	5	--	--
...TETRASTRUM	67	1	--	--	3300	11	--	--
...VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	--	--	--	--	350	1	--	--
...VOLVOCAEAE								
....PANDORINA	--	--	--	--	--	--	--	--
...ZYGNEMATALES								
...DESMIDIACEAE								
....COSMARIUM	--	--	--	--	--	--	--	--

YAZOO RIVER BASIN

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

DATE TIME	NOV 5, 80 1500		FEB 24, 81 1000		APR 30, 81 1200		MAY 26, 81 1000	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCEALES								
...CHROOCOCCEACEAE								
....AGMENELLUM	800	9	--	-	470	2	--	-
....ANACYSTIS	50	1	410	2	4700#	15	--	-
....GOMPHOSPHAERIA	--	-	--	-	--	-	--	-
...NOSTOCALES								
...HAMMATOIDEACEAE								
....RAPHIDIOPSIS	--	-	--	-	--	-	--	-
...NOSTOCACEAE								
....ANABAENA	1100	13	--	-	2000	6	--	-
....ANABAENOPSIS	230	3	--	-	--	-	--	-
....APHANIZOMENON	--	-	--	-	--	-	180	15
....NODULARIA	--	-	--	-	2300	8	--	-
..OSCILLATORIALES								
...OSCILLATORIACEAE								
....LYNGBYA	--	-	--	-	--	-	--	-
....OSCILLATORIA	--	-	950	5	--	-	400#	33
EUGLENOPHYTA (EUGLENIDS)								
..EUGLENOPHYCEAE								
...EUGLENALFS								
...EUGLENACEAE								
....EUGLENA	--	-	--	-	--	-	14	1
....PHACUS	--	-	--	-	--	-	--	-
....TRACHELOMONAS	67	1	710	4	470	2	14	1
PYRRHOPHYTA (FIRE ALGAE)								
..DINOPHYCEAE								
...DINOKONTAE								
...GONYAULACACEAE								
....GONYAULAX	--	-	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

DATE TIME	JUN 23, 81 0900	JUL 23, 81 1100	SEP 1, 81 1000
TOTAL CELLS/ML	15000	16000	17000
DIVERSITY: DIVISION	1.4	1.2	1.6
..CLASS	1.4	1.2	1.6
...ORDER	2.0	1.9	2.1
...FAMILY	2.4	2.3	2.9
...GENUS	2.9	3.1	3.4

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)						
..BACILLARIOPHYCEAE						
...BACILLARIALES						
...NITZSCHIACEAE						
....NITZSCHIA	630	4	220	1	250	1
...EUPHOTYDALES						
...COSCINODISCEAE						
....CYCLOTELLA	550	4	550	4	210	1
....MELOSIRA	1000	7	220	1	2200	13
...FRAGILARIALES						
...FRAGILARIACEAE						
....ASTERIONELLA	--	-	--	-	--	-
...NAVICULALES						
...GOMPHONEMACEAE						
....GOMPHONEMA	--	-	--	-	--	-
...NAVICULACEAE						
....GYROSIGMA	--	-	--	-	120	1
....NAVICULA	*	0	--	-	--	-
...PINNULARIA	--	-	--	-	--	-
...SURIPELLALES						
...SURIPELLACEAE						
....SURIPELLA	--	-	--	-	--	-
CHLOROPHYTA (GREEN ALGAE)						
..CHLOROPHYCEAE						
...CHLOROCOCCALES						
...CHLOROCOCCACEAE						
....SCHROEDERIA	*	0	82	1	*	0
....TETRAEDRON	--	-	--	-	*	0
...COCCOMYXACEAE						
....ELAKATOTHRIX	--	-	--	-	--	-
...DICTYOSPHAERIACEAE						
....DICTYOSPHAERIUM	--	-	--	-	2200	13
...WESTELLA	--	-	110	1	--	-
...HYDRODICTYACEAE						
...PEDIASTRUM	220	2	--	-	330	2
...MICRACTINIACEAE						
....MICRACTINIUM	160	1	490	3	--	-
...DOCYSTACEAE						
....ANKISTRODESMUS	140	1	160	1	*	0
....CHODATELLA	*	0	*	0	--	-
....FRANCEIA	--	-	--	-	--	-
....KIRCHNERIELLA	190	1	140	1	*	0
...NEPHROCYTIUM	110	1	--	-	--	-
...DOCYSTIS	190	1	220	1	290	2
...SELENASTRUM	220	2	*	0	--	-
...TREUBARIA	*	0	--	-	--	-
...PALMELLACEAE						
...SPHAEROCYSTIS	--	-	--	-	670	4
...SCENEDESMACEAE						
....ACTINASTRUM	--	-	--	-	--	-
....COELASTRUM	--	-	--	-	--	-
...CRUCIGENIA	220	2	990	6	1500	9
...GLOEOACTINIUM	--	-	190	1	170	1
...SCENEDESMUS	630	4	1100	7	750	4
...TETRASTRUM	220	2	220	1	--	-
...VOLVOCALES						
...CHLAMYDOMONADACEAE						
...CHLAMYDOMONAS	110	1	110	1	--	-
...VOLVOCEAE						
...PANDORINA	820	6	--	-	--	-
...ZYGNEMATALES						
...DESMIDIACEAE						
...COSMARIVUM	--	-	*	0	--	-

YAZOO RIVER BASIN

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

DATE TIME	JUN 23, 81 0900		JUL 28, 81 1100		SEP 1, 81 1000	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
...CHROCOCCALES						
...CHROCOCCACEAE						
....AGMENELLUM	440	3	1100	7	1300	8
....ANACYSTIS	7700#	52	5500#	35	--	--
....GOMPHOSPHERIA	--	--	630	4	--	--
..NOSTOCALES						
...HAMMATOIDEACEAE						
...RAPHIDIOPSIS	--	--	--	--	620	4
...NOSTOCEAE						
....ANABAENA	440	3	--	--	--	--
....ANABAENOPSIS	--	--	--	--	--	--
....APHANIZOMENON	--	--	--	--	--	--
....NODULARIA	--	--	--	--	--	--
..OSCILLATORIALES						
...OSCILLATORIAEAE						
....LYNGBYA	--	--	--	--	1000	6
....OSCILLATORIA	380	3	3400#	22	4600#	28
EUGLENOPHYTA (EUGLENOIDS)						
..EUGLENOPHYCEAE						
...EUGLENALES						
...EUGLENACEAE						
....EUGLENA	*	0	*	0	*	0
....PHACUS	*	0	--	--	*	0
....TRACHELOMONAS	*	0	*	0	*	0
PYRRHOPHYTA (FIRE ALGAE)						
..DINOPHYCEAE						
...DINOKONTAE						
...GONYAULACEAE						
....GONYAULAX	--	--	--	--	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER				NOVEMBER			DECEMBER			JANUARY		
1	73	55	65	---	---	---	77	73	76	---	---	---
2	80	74	77	---	---	---	80	76	78	---	---	---
3	87	81	84	---	---	---	77	75	76	---	---	---
4	85	79	82	---	---	---	78	75	76	---	---	---
5	79	73	76	---	---	---	76	73	74	---	---	---
6	73	69	71	68	63	66	75	72	74	---	---	---
7	69	67	68	63	62	63	74	72	73	---	---	---
8	68	66	67	63	60	62	75	73	74	---	---	---
9	67	64	66	61	60	61	78	74	75	---	---	---
10	65	63	64	61	60	60	80	77	78	---	---	---
11	64	62	63	60	59	59	83	79	81	---	---	---
12	63	61	62	61	59	60	84	80	82	---	---	---
13	62	61	61	64	60	62	82	78	80	---	---	---
14	61	59	60	67	65	66	88	81	85	138	123	127
15	61	59	60	68	66	67	90	85	88	125	123	124
16	61	59	60	67	54	61	90	84	87	127	125	126
17	59	58	59	66	54	59	88	85	86	128	127	127
18	63	59	61	79	67	72	89	83	86	129	128	128
19	60	59	59	90	65	77	85	81	83	131	128	129
20	65	56	60	77	66	70	---	---	---	132	128	129
21	76	66	69	81	70	78	---	---	---	131	129	130
22	68	62	64	84	80	82	---	---	---	131	128	130
23	65	63	64	88	84	87	---	---	---	129	126	127
24	---	---	---	87	77	81	---	---	---	127	124	126
25	---	---	---	79	74	76	---	---	---	128	125	126
26	---	---	---	75	72	73	---	---	---	127	126	126
27	---	---	---	75	73	74	---	---	---	127	118	123
28	---	---	---	74	71	73	---	---	---	119	107	111
29	---	---	---	74	67	70	---	---	---	108	106	107
30	---	---	---	74	70	72	---	---	---	109	107	108
31	---	---	---	---	---	---	---	---	---	108	107	107

YAZOO RIVER BASIN

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07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	108	84	100	91	86	88	59	52	56	193	164	183
2	85	62	69	96	90	94	68	54	60	191	160	180
3	68	51	62	99	96	97	75	68	72	217	173	188
4	83	51	70	101	96	98	75	73	74	207	176	193
5	80	70	72	95	76	85	85	76	80	227	178	220
6	78	70	75	84	60	76	94	85	89	224	190	207
7	69	63	66	75	62	71	98	93	96	232	194	213
8	63	62	62	85	68	75	94	92	93	239	199	218
9	66	62	64	91	85	89	97	94	95	243	199	222
10	68	66	67	90	87	89	99	96	98	253	199	225
11	68	66	67	94	89	91	99	96	97	233	194	217
12	68	66	67	100	93	97	104	98	101	235	191	213
13	78	61	72	104	100	102	111	105	108	231	189	212
14	70	58	64	105	102	103	---	---	---	235	190	209
15	75	71	73	104	100	102	---	---	---	235	195	219
16	79	76	78	105	103	104	---	---	---	229	197	214
17	79	78	79	108	104	106	---	---	---	232	185	211
18	79	77	78	111	108	110	---	---	---	224	155	194
19	81	77	79	114	110	112	---	---	---	180	124	150
20	84	80	82	118	113	115	---	---	---	120	59	87
21	85	83	84	121	117	119	---	---	---	75	51	61
22	87	84	86	125	122	124	---	---	---	78	75	76
23	88	85	86	127	125	126	---	---	---	82	76	79
24	84	82	83	128	126	127	---	---	---	91	82	88
25	83	82	82	127	122	125	---	---	---	100	92	96
26	84	82	83	127	119	122	---	---	---	---	---	---
27	85	83	84	131	126	129	---	---	---	---	---	---
28	86	84	85	140	131	136	---	---	---	---	---	---
29	---	---	---	142	137	141	---	---	---	---	---	---
30	---	---	---	137	98	116	197	159	184	---	---	---
31	---	---	---	111	60	95	---	---	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1				---	---	---						
2				---	---	---						
3				---	---	---						
4				---	---	---						
5				---	---	---						
6				---	---	---						
7				---	---	---						
8				---	---	---						
9				---	---	---						
10				---	---	---						
11				---	---	---						
12				---	---	---						
13				---	---	---						
14				---	---	---						
15				---	---	---						
16				152	147	149						
17				156	151	153						
18				201	157	172						
19				227	203	216						
20				275	227	251						
21				274	247	262						
22				246	235	240						
23				241	230	234						
24				227	214	218						
25				216	210	213						
26				216	209	213						
27				215	193	206						
28				---	---	---						
29				---	---	---						
30				---	---	---						
31				---	---	---						

YAZOO RIVER BASIN

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	20.5	19.5	20.0	---	---	---	8.5	8.0	8.0	---	---	---
2	21.0	20.0	20.5	---	---	---	9.0	8.5	9.0	---	---	---
3	21.0	20.5	20.5	---	---	---	9.0	8.5	9.0	---	---	---
4	21.0	20.0	20.5	---	---	---	9.5	9.0	9.0	---	---	---
5	20.5	20.0	20.5	---	---	---	9.5	9.0	9.0	---	---	---
6	20.0	19.5	20.0	15.5	15.0	15.0	9.5	9.0	9.0	---	---	---
7	20.0	19.0	19.5	15.5	15.0	15.5	10.0	9.5	9.5	---	---	---
8	20.0	19.0	19.5	16.0	15.0	15.5	11.0	10.0	10.5	---	---	---
9	20.5	19.5	20.0	16.0	15.5	16.0	11.5	11.0	11.0	---	---	---
10	21.0	20.0	20.5	16.5	16.0	16.0	11.5	11.0	11.0	---	---	---
11	21.0	20.0	20.5	16.5	16.0	16.0	11.0	10.5	11.0	---	---	---
12	20.5	20.0	20.0	16.0	15.5	16.0	10.5	10.0	10.0	---	---	---
13	20.0	19.5	20.0	16.0	15.5	15.5	10.0	9.5	10.0	---	---	---
14	19.5	19.0	19.0	15.5	15.5	15.5	9.5	9.5	9.5	6.0	5.0	5.5
15	19.5	18.5	19.0	15.5	15.0	15.5	9.5	9.0	9.0	6.0	5.0	5.5
16	20.0	19.0	19.5	15.0	14.0	14.5	9.5	9.0	9.5	6.0	5.0	5.5
17	20.0	19.5	20.0	14.0	13.5	13.5	9.5	9.0	9.0	5.5	4.5	5.0
18	20.0	20.0	20.0	13.5	12.0	12.5	9.5	8.5	9.0	5.5	4.5	5.0
19	20.5	20.0	20.0	12.0	10.5	11.0	9.5	8.5	9.0	5.5	4.5	5.0
20	20.0	19.5	20.0	10.5	9.5	10.0	---	---	---	5.5	5.5	5.5
21	20.0	19.0	19.5	9.5	9.5	9.5	---	---	---	6.0	5.5	5.5
22	19.5	19.0	19.5	9.5	9.5	9.5	---	---	---	6.0	5.5	6.0
23	19.5	19.0	19.5	10.0	9.5	9.5	---	---	---	7.0	5.5	6.0
24	---	---	---	10.0	10.0	10.0	---	---	---	7.5	6.0	7.0
25	---	---	---	10.5	10.0	10.0	---	---	---	8.5	7.0	7.5
26	---	---	---	10.0	10.0	10.0	---	---	---	9.0	8.0	8.5
27	---	---	---	9.5	9.0	9.5	---	---	---	9.5	9.0	9.0
28	---	---	---	9.0	8.5	8.5	---	---	---	9.5	8.5	9.0
29	---	---	---	8.5	8.0	8.0	---	---	---	10.0	9.0	9.5
30	---	---	---	8.5	8.0	8.0	---	---	---	9.5	9.0	9.5
31	---	---	---	---	---	---	---	---	---	9.0	8.5	9.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	9.5	8.5	9.0	14.0	13.5	14.0	18.0	16.5	17.5	25.0	23.5	24.5
2	8.5	7.5	8.0	14.0	13.0	13.5	18.5	17.5	18.0	25.0	22.0	23.5
3	7.5	6.5	7.0	14.0	13.5	13.5	19.5	18.0	18.5	24.5	22.0	23.5
4	7.0	6.0	6.5	13.5	13.0	13.5	19.5	19.0	19.5	25.0	22.5	23.5
5	6.0	5.5	5.5	13.0	12.5	13.0	19.5	19.0	19.5	24.0	23.0	23.5
6	6.0	5.5	5.5	12.5	12.0	12.0	19.5	19.0	19.0	23.5	22.5	23.0
7	6.0	5.5	6.0	12.0	11.5	12.0	19.0	18.5	19.0	22.5	21.0	22.0
8	6.5	6.0	6.0	11.5	11.0	11.5	19.0	18.5	18.5	23.5	21.0	22.0
9	6.5	6.0	6.0	12.0	11.0	11.5	19.0	18.5	19.0	24.0	21.5	22.5
10	7.0	6.5	6.5	12.0	11.5	11.5	20.0	19.0	19.5	23.0	21.0	22.0
11	7.0	6.0	6.5	12.5	11.5	12.0	20.0	19.5	20.0	22.5	20.0	21.0
12	6.0	5.0	5.5	13.0	12.0	12.5	20.5	20.0	20.0	23.5	20.0	21.5
13	5.5	5.0	5.0	14.0	13.0	13.0	21.5	20.5	21.0	24.0	21.0	22.5
14	5.5	5.0	5.0	14.5	13.5	14.0	22.5	21.5	22.0	24.0	22.0	22.5
15	5.5	5.0	5.5	14.0	14.0	14.0	22.5	21.5	22.0	23.5	21.0	22.0
16	6.5	5.5	6.0	14.5	13.5	14.0	22.5	22.0	22.0	22.5	21.0	21.5
17	7.5	6.5	7.0	14.5	13.5	14.0	---	---	---	23.0	20.5	21.5
18	8.0	7.5	7.5	14.5	13.0	14.0	---	---	---	23.0	22.0	22.5
19	9.5	8.0	9.0	13.5	12.5	13.0	---	---	---	22.5	21.0	21.5
20	10.5	9.5	10.0	13.5	12.5	13.0	---	---	---	21.0	19.0	20.0
21	11.5	10.5	11.0	13.5	13.0	13.0	---	---	---	20.5	18.5	19.5
22	12.0	11.5	11.5	13.0	12.5	13.0	---	---	---	21.5	20.0	20.5
23	12.0	11.0	11.5	13.5	12.0	13.0	---	---	---	23.0	21.5	22.0
24	12.0	11.0	11.5	14.0	12.5	13.5	---	---	---	24.0	22.5	23.0
25	12.0	11.5	11.5	14.5	13.0	13.5	---	---	---	24.5	23.0	24.0
26	12.5	11.5	12.0	15.0	13.5	14.0	---	---	---	24.0	22.0	22.5
27	13.5	12.0	12.5	16.0	14.0	15.0	---	---	---	23.0	22.0	22.5
28	14.0	13.0	13.5	17.0	15.0	16.0	---	---	---	23.0	22.0	22.5
29	---	---	---	17.0	16.0	16.5	---	---	---	23.5	22.5	23.0
30	---	---	---	17.5	16.0	17.0	25.5	24.5	25.0	24.5	23.5	24.0
31	---	---	---	17.5	17.0	17.0	---	---	---	25.5	24.5	25.0

YAZOO RIVER BASIN

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07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26.0	25.0	25.5	27.5	26.0	26.5	30.5	29.0	29.5			
2	26.0	25.5	26.0	26.5	24.0	25.5	30.5	28.5	29.5			
3	26.0	25.5	26.0	27.0	25.5	26.0	30.5	28.5	29.5			
4	26.0	25.5	26.0	28.0	26.5	27.0	31.0	29.0	30.0			
5	26.0	25.5	26.0	28.0	27.0	27.5	31.5	29.5	30.5			
6	25.5	25.0	25.5	28.5	27.0	27.5	32.0	30.0	31.0			
7	26.5	25.0	25.5	28.5	27.0	28.0	30.5	30.0	30.0			
8	26.5	26.0	26.0	27.5	27.0	27.0	31.0	29.0	30.0			
9	26.5	26.0	26.5	29.0	27.5	28.0	31.0	29.0	30.0			
10	27.5	26.5	27.0	30.0	28.5	29.0	30.5	29.0	29.5			
11	28.0	27.0	27.5	30.5	29.5	30.0	30.5	28.5	29.5			
12	28.5	27.5	28.0	31.0	29.5	30.5	30.5	28.5	29.5			
13	29.0	28.0	28.5	31.5	30.5	31.0	30.5	29.0	29.5			
14	29.0	28.0	28.5	32.0	30.5	31.0	31.0	29.0	30.0			
15	29.5	28.5	29.0	32.5	30.5	31.5	31.0	29.0	30.0			
16	29.5	28.5	29.0	32.5	31.0	31.5	31.0	29.5	30.5			
17	29.0	28.0	28.5	33.0	31.0	32.0	30.0	29.0	29.5			
18	29.5	28.0	28.5	33.0	31.0	32.0	29.5	28.5	29.0			
19	30.0	28.5	29.0	32.5	31.0	32.0	28.5	27.5	28.0			
20	30.5	28.5	29.5	32.5	31.0	31.5	27.5	27.0	27.0			
21	31.0	28.5	29.5	31.5	30.0	31.0	28.0	26.5	27.0			
22	31.0	29.0	30.0	32.5	30.0	31.0	27.0	26.0	26.5			
23	31.5	29.5	30.5	33.0	31.0	31.5	27.0	25.5	26.5			
24	32.0	29.5	30.5	33.0	31.0	32.0	28.5	26.0	27.5			
25	31.0	30.0	30.5	32.5	31.0	31.5	29.0	27.0	28.0			
26	31.0	29.0	30.0	32.0	30.0	31.0	29.5	27.5	28.5			
27	30.0	28.5	29.0	32.5	30.5	31.5	29.0	27.5	28.5			
28	30.5	28.0	29.0	31.5	29.5	31.0	29.0	27.5	28.5			
29	30.0	28.0	29.0	30.0	29.5	29.5	29.5	27.5	28.5			
30	30.0	28.0	29.0	30.5	28.5	29.5	30.0	27.5	28.5			
31	---	---	---	30.5	28.5	29.5	29.0	28.0	28.5			

NOTE: NUMBER OF MISSING DAYS OF RECORD EXCEEDED 20% OF YEAR

YAZOO RIVER BASIN

07287500 YAZOO RIVER AT YAZOO CITY, MS
(National water-quality surveillance system station)

LOCATION.--Lat 32°51'29", long 90°26'12", in SE¼ sec.30, T.12 N., R.2 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, at downstream side of bridge on U.S. Highway 49 W., 1.0 mi (1.6 km) northwest of Yazoo City, and at mile 75.6 (121.6 km).

DRAINAGE AREA.--8,900 mi² (23,051 km²).

PERIOD OF RECORD.--Water years 1974 to September 1981 (discontinued).

REMARKS.--Stage-discharge relation based on intermittent discharge measurements. Samples collected 1.25 mi (2.0 km) downstream of bridge.

COOPERATION.--Discharge measurements were furnished by Corps of Engineers.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
OCT 02...	1400	10400	68	6.7	21.0	6.2	23	--	264	.39	.080
NOV 05...	1100	9300	82	7.2	15.0	10.2	18	K180	94	.19	.040
DEC 04...	1430	9900	81	7.1	11.0	10.2	52	520	77	.28	.080
JAN 14...	1300	3100	154	7.6	6.0	12.2	18	87	45	.34	.220
FEB 04...	1300	10200	90	7.3	7.5	10.1	44	--	450	.43	.240
24...	1300	6300	100	7.1	12.0	10.2	66	K74	132	.46	.180
MAR 26...	1300	3900	140	7.3	16.0	9.5	23	210	112	.48	.130
APR 30...	0930	2400	220	7.3	25.0	7.1	26	K620	116	.49	.070
MAY 26...	1300	9800	115	7.2	22.5	5.9	43	--	2210	1.5	.810
JUN 23...	1200	E3000	120	7.9	30.5	5.1	32	1000	125	.55	.060
JUL 28...	1300	2900	160	7.8	31.5	5.1	10	K300	158	.56	.070
SEP 01...	1100	2300	190	7.8	28.0	6.4	100	600	278	.53	.150

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)
OCT 02...	.10	.64	.72	1.1	4.9	.410	1.3	10	0	50	.00
NOV 05...	.05	.40	.44	.63	2.8	.150	.46	10	0	30	--
DEC 04...	.10	.28	.36	.64	2.8	.330	1.0	20	0	60	.00
JAN 14...	.27	.34	.56	.90	4.0	.120	.37	1	3	20	.00
FEB 04...	.29	.96	1.20	1.6	7.2	.630	1.9	10	0	90	<.01
24...	.22	.67	.85	1.3	5.8	.090	.28	--	0	40	<.01
MAR 26...	.16	.54	.67	1.2	5.1	.180	.55	7	2	90	<.01
APR 30...	.08	.46	.53	1.0	4.5	.180	.55	8	1	40	<.01
MAY 26...	.98	1.6	2.40	3.9	17	2.60	8.0	62	0	190	<.01
JUN 23...	.07	.75	.81	1.4	6.0	.330	1.0	15	0	30	<.01
JUL 28...	.08	.55	.62	1.2	5.2	.280	.86	11	3	30	<.01
SEP 01...	.18	.58	.73	1.3	5.6	.490	1.5	21	<1	60	<.01

YAZOO RIVER BASIN

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07287500 YAZOO RIVER AT YAZOO CITY, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
NOV 05...	0	<10	30	<10	2600	<10	350	.00	14

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDP, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 05...	<1	<1.0	<.1	2.0	9.5	4.7	2.0	.5	<.1

DATE	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATERIAL (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOTTOM MATERIAL (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE IN BOTTOM MATERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 05...	<.1	<.1	<.1	<.1	<.1	<.1	<.10	<1.0

YAZOO RIVER BASIN

07288500 BIG SUNFLOWER RIVER AT SUNFLOWER, MS

LOCATION.--Lat 33°32'50", long 90°32'35", in NE¼ sec.6, T.19 N., R.3 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, near right bank on downstream side of highway bridge, 0.5 mi (0.8 km) northwest of Sunflower, 2.5 mi (4.0 km) downstream from Jones Bayou, and 19.0 mi (30.6 km) upstream from Quiver River.

DRAINAGE AREA.--767 mi² (1,987 km²).

PERIOD OF RECORD.--October 1935 to September 1980 in reports of Geological Survey. Prior to October 1938 monthly discharge only published in WSP 1311. February 1918 to September 1935 (gage heights only) in reports of Corps of Engineers, Vicksburg district. Prior to Oct. 1, 1972, published as Sunflower River at Sunflower, Miss.

REVISED RECORDS.--WSP 1211: Drainage area. WRD Miss. 1970: 1969(M).

GAGE.--Water-stage recorder. Datum of gage is 92.95 ft (28.331 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Nov. 28, 1934, nonrecording gage on upstream side of bridge at datum 93.00 ft (28.346 m) lower. Nov. 28, 1934, to June 30, 1947, nonrecording gage on upstream side of bridge at present datum.

REMARKS.--Diversion for irrigation of about 5,000 acres (20.2 km²) and withdrawal of an average of about 6 ft³/s (0.17 m³/s) for industrial use above station. At times streamflow is augmented by waste irrigation water which is pumped from wells.

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--45 years, 1,066 ft³/s (30.19 m³/s), 18.87 in/yr (479 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 15,000 ft³/s (425 m³/s) Mar. 18, 1973, gage height, 28.37 ft (8.647 m); minimum discharge, 81 ft³/s (2.29 m³/s) Aug. 16, 1954, Aug. 9, 10, 1956; minimum gage height, 0.78 ft (0.238 m) Oct. 15, 1967.

EXTREMES FOR WATER YEAR 1980.--Maximum discharge, 7,820 ft³/s (221 m³/s) Mar. 22, gage height, 25.7 ft (7.83 m); minimum, 81 ft³/s (2.29 m³/s) Oct. 21, gage height, 1.11 ft (0.338 m).

NOTE.--Records for 1981 water year will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	265	425	2770	1210	1340	195	6420	621	820	3680	1590	375
2	217	485	2110	914	1340	207	6120	496	602	3180	1070	347
3	184	512	1560	675	1170	218	5580	420	450	2650	796	405
4	194	455	1020	566	961	218	4990	361	347	2100	639	375
5	189	361	699	496	713	207	4230	334	295	1640	566	361
6	174	265	520	548	548	195	3540	320	262	1210	511	334
7	174	189	418	566	466	184	2680	307	251	937	481	307
8	194	144	356	496	375	2080	2040	295	229	713	466	273
9	174	324	310	405	937	3430	1480	273	229	584	450	251
10	149	1420	284	334	1980	2490	1030	251	218	511	450	229
11	126	2000	259	347	3640	1980	776	229	207	481	450	218
12	109	2020	259	914	3540	1950	1290	218	207	435	435	207
13	105	1780	421	1190	3180	3500	2860	207	195	420	435	184
14	98	1350	776	1120	2650	4150	5450	195	207	405	435	184
15	94	925	1350	776	2140	4070	6290	195	218	390	420	184
16	90	602	1740	621	1590	4380	6420	621	218	375	405	184
17	90	358	1820	450	1050	4620	6290	2170	229	347	375	184
18	87	278	1680	347	713	6160	5890	2790	240	347	375	174
19	87	205	1410	307	496	6730	5410	2930	262	347	361	155
20	84	169	1080	347	375	6990	4990	2830	284	405	347	155
21	81	144	785	320	334	7680	4420	2680	347	734	334	155
22	84	200	596	1050	307	7820	3680	2490	530	2620	334	146
23	90	1480	575	2290	273	7680	2900	2320	1050	3760	320	136
24	87	3440	1290	3470	262	7580	2200	2390	1700	4540	307	126
25	87	4520	2380	3540	240	7230	1540	2360	2460	4900	307	118
26	87	4900	2920	3220	229	6860	1870	2170	3430	4900	295	126
27	90	4880	3110	2750	207	6420	1950	1980	4150	4620	295	174
28	87	4590	2820	2290	195	6250	1620	1670	4380	4150	295	240
29	90	4100	2380	1790	195	6070	1190	1290	4340	3540	307	1310
30	94	3470	1960	1290	---	6380	867	1030	4110	2830	361	3110
31	205	---	1470	1290	---	6510	---	961	---	2170	375	---
TOTAL	3966	46031	41128	35929	31446	130354	106013	37404	32467	59921	14587	10727
MEAN	128	1534	1327	1159	1084	4205	3534	1207	1082	1933	471	358
MAX	265	4900	3110	3540	3640	7820	6420	2930	4380	4900	1590	3110
MIN	81	144	259	307	195	184	776	195	195	347	295	118
CFSM	.17	2.00	1.73	1.51	1.41	5.48	4.61	1.57	1.41	2.52	.61	.47
IN.	.19	2.23	1.99	1.74	1.53	6.32	5.14	1.81	1.57	2.91	.71	.52

CAL YR 1979 TOTAL 771663 MEAN 2114 MAX 7450 MIN 81 CFSM 2.76 IN 37.43
WTR YR 1980 TOTAL 549973 MEAN 1503 MAX 7820 MIN 81 CFSM 1.96 IN 26.67

YAZOO RIVER BASIN

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07288800 YAZOO RIVER AT REDWOOD, MS
(National stream-quality accounting network station)
(National water-quality surveillance system station)

LOCATION.--Lat 32°29'14", long 90°49'02", on line between secs.1 and 4, T.17 N., R.4 E., Washington Meridian, Warren County, Hydrologic Unit 08030208, at downstream side of Illinois Central Gulf Railroad bridge, 0.6 mi (1.0 km) downstream from U.S. Highway 61, 1.0 mi (1.6 km) northwest of Redwood, and at mile 16.7 (26.9 km).

DRAINAGE AREA.--12,603 mi² (32,642 km²).

PERIOD OF RECORD.--Water years 1961-62, 1972 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1978 to September 1981 (discontinued).

WATER TEMPERATURE: October 1978 to September 1981 (discontinued).

INSTRUMENTATION.--Specific conductance/temperature recorder from October 1978 to September 1981.

REMARKS.--Prior to October 2, 1980, specific conductance listed as 30 micromhos represent 30 micromhos or less due to instrument limitations. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 363 micromhos Mar. 26, 1980; minimum, 50 micromhos July 5, 6, 1980.

WATER TEMPERATURE: Maximum, 31.5°C July 4-12, 1980; minimum, 4.0°C Feb. 12-14, 1980.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 317 micromhos Sept. 1, 1977; minimum, 51 micromhos Jan. 24, 1979.

WATER TEMPERATURE: Maximum, 30.5°C July 11, 1978; minimum, 1.5°C Jan. 13-16, 1979.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 33.5°C July 24-25; minimum, 5.0°C Jan. 12, 14, 18, 23.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITR7- GFN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
OCT 02...	1300	17000	195	7.5	22.5	7.7	31	--	109	.28	.070
NOV 03...	1230	14200	107	7.2	15.0	9.3	--	440	29	.39	.160
DEC 01...	1100	19100	105	7.1	9.0	9.2	19	K140	25	.56	.110
JAN 06...	1000	3370	230	7.5	7.0	11.0	27	100	87	.26	.120
FEB 03...	1100	14200	160	7.1	8.0	10.4	67	310	530	.74	.350
25...	1100	6710	135	7.1	13.5	9.2	53	160	--	.58	.160
MAR 25...	1300	4610	200	6.9	14.0	8.8	28	410	154	.80	.180
APR 28...	1400	1280	184	7.3	25.0	6.8	23	310	44	.65	.030
MAY 28...	1000	14000	134	7.1	24.0	4.4	44	K1600	1170	1.6	.630
JUN 24...	1530	E1200	97	7.3	33.0	6.0	21	K69	119	.57	.080
JUL 29...	1330	8130	410	7.4	32.0	4.8	--	K66	78	.78	.030
SEP 22...	1500	8360	160	7.6	24.0	7.4	53	4800	37	.29	.070

YAZOO RIVER BASIN

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)
OCT											
02...	.08	.51	.58	.86	3.8	.200	.61	8	0	40	.00
NOV											
03...	.19	.57	.73	1.1	5.0	.240	.74	4	1	30	.00
DEC											
01...	.13	.43	.54	1.1	4.9	.240	.74	8	0	50	.00
JAN											
06...	.15	.23	.35	.61	2.7	.150	.46	9	0	20	.00
FEB											
03...	.42	1.1	1.40	2.1	9.5	.690	2.1	30	1	100	<.01
25...	.19	.61	.77	1.4	6.0	.120	.37	--	--	--	<.01
MAR											
25...	.22	.60	.78	1.6	7.0	.240	.74	8	0	100	<.01
APR											
28...	.04	.90	.93	1.6	7.0	.250	.77	5	0	20	<.01
MAY											
28...	.77	1.6	2.20	3.8	17	1.10	3.4	35	1	170	<.01
JUN											
24...	.10	.77	.85	1.4	6.3	.340	1.0	13	0	50	<.01
JUL											
29...	.04	.76	.79	1.6	7.0	.220	.67	7	<1	30	<.01
SEP											
22...	.08	.25	.32	.61	2.7	.250	.77	8	<1	30	<.01

DATE	TUR- BID- ITY (NTU)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)
NOV											
03...	20	K240	36	.00	9.1	3.2	5.5	23	.4	3.2	36
JAN											
06...	13	K14	80	.00	21	6.7	11	22	.5	2.4	80
FEB											
25...	--	K20	39	5.0	10	3.5	7.9	28	.5	3.5	34
APR											
28...	75	K69	63	4.0	16	5.7	11	26	.6	3.1	59
JUN											
24...	150	K69	34	2.0	8.9	2.9	5.9	25	.4	3.2	32
SEP											
22...	85	5000	54	.00	14	4.6	6.9	21	.4	3.2	60

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)
NOV										
03...	7.6	4.4	.1	5.6	66	62	.09	2530	.42	.170
JAN										
06...	9.0	8.5	.1	15	134	123	.18	1220	.30	.150
FEB										
25...	11	6.6	.1	8.1	78	74	.11	1410	.60	.140
APR										
28...	10	7.3	.2	11	108	103	.15	373	.72	.030
JUN										
24...	4.1	3.6	.1	7.8	77	58	.10	--	.62	.050
SEP										
22...	7.9	6.0	.1	7.1	101	87	.14	2280	.30	.060

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 03...	.22	.56	.00	.73	.070	--	3100	879	33700	96
JAN 06...	.19	.33	.00	.48	.150	5.2	--	153	1390	95
FEB 25...	.18	.42	.21	.56	.060	6.0	11000	287	5200	96
APR 28...	.04	.69	.21	.72	.060	--	2000	--	--	--
JUN 24...	.06	.49	.31	.54	.060	12	2400	174	--	96
SEP 22...	.08	.32	.00	.38	.050	5.1	3100	379	8560	92

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BA)	BARIIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDED RECOV- ERABLE (UG/L AS CR)
NOV 03...	2	1	1	<50	--	40	0	0	2	10	0
APR 28...	1	1	0	100	40	60	1	--	<1	20	10

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDED RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
NOV 03...	10	2	2	0	7	5	2	5200	5100	80
APR 28...	10	1	1	0	6	2	4	3800	3700	110

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PR)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PR)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, SUS- PENDED RECOV- ERABLE (UG/L AS NI)
NOV 03...	3	3	0	250	230	20	.1	--	<.1	1
APR 28...	12	11	1	80	70	6	.1	.0	.1	3

DATE	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
NOV 03...	3	0	0	0	1	0	20	6	3.5	5.0
APR 28...	2	0	0	0	0	0	--	<4	6.4	--

YAZOO RIVER BASIN

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PH)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
NOV 03...	0	<10	10	<10	3700	<10	280	.00	19

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 03...	<1	<1.0	<.1	5.0	19	9.7	1.2	.7	<.1

DATE	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 03...	.1	<.1	<.1	<.1	<.1	<.1	<.10	<1.0

07288800 YAZOO RIVER AT REDWOOD, MS--Continued
 PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

DATE TIME	NOV 3, 80 1230	FEB 25, 81 1100	APR 28, 81 1400	JUN 24, 81 1530	SEP 22, 81 1500					
TOTAL CELLS/ML	3100	11000	2000	2400	3100					
DIVERSITY: DIVISION	1.6	1.1	2.1	1.8	1.6					
..CLASS	1.6	1.1	2.1	1.8	1.6					
...ORDER	2.3	1.5	2.5	2.4	2.0					
...FAMILY	2.4	1.7	2.8	3.1	2.0					
....GENUS	2.8	2.0	3.4	3.6	2.2					
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)										
..BACILLARIOPHYCEAE										
...ACHNANTHAI										
...ACHNANTHACEAE										
....ACHNANTHES	--	-	--	-	--	-	28	1	--	-
...BACILLARIALES										
...NITZSCHIA										
...NITZSCHIA	--	-	* 0		--	-	--	-	--	-
...EUPODISCALES	26	1	520	5	64	3	56	2	--	-
...COSCINODISCAEAE										
...CYCLOTELLA	100	3	280	2	13	1	110	5	29	1
...MELOSIRA	930#	30	7800#	68	310#	16	70	3	1200#	40
...FRAGILARIALES										
...FRAGILARIAEAE										
...SYNEEDRA	26	1	70	1	--	-	56	2	--	-
CHLOROPHYTA (GREEN ALGAE)										
..CHLOROPHYCEAE										
...CHLOROCOCCALES										
...COCCOMYXACEAE										
...ELAKATOTHRIX	--	-	--	-	--	-	28	1	--	-
...DICTYOSPHAERIACEAE										
...DICTYOSPHAERIUM	--	-	420	4	--	-	280	11	57	2
...DICTYOSPHAERIUM										
...DICTYOSPHAERIUM										
...ANKISTRODESMIUS	26	1	240	2	26	1	70	3	--	-
...CHODATELLA	--	-	70	1	--	-	--	-	--	-
...KIRCHNERIELLA	--	-	* 0		--	-	56	2	--	-
...DICTYOSPHAERIUM	26	1	--	-	--	-	--	-	--	-
...QUADRIGULA	--	-	--	-	100	5	--	-	--	-
...SELENASTRUM	--	-	--	-	39	2	--	-	--	-
...TREUBARIA	--	-	--	-	13	1	14	1	--	-
...PALMELLACEAE										
...SPHAEROCYSTIS	--	-	140	1	--	-	--	-	--	-
...SCENEDESMACEAE										
...CRUCIGENIA	410	14	--	-	100	5	98	4	230	7
...SCENEDESMUS	150	5	--	-	180	9	340	14	29	1
...TETRASTRUM	52	2	560	5	52	3	56	2	--	-
...VOLVOCALES										
...CHLAMYDOMONADACEAE										
...CHLAMYDOMONAS	* 0		--	-	100	5	28	1	--	-
...PHACOTACEAE										
...PTEROMONAS	--	-	--	-	13	1	--	-	--	-
...VOLVOCAEAE										
...PANDORINA	--	-	--	-	--	-	280	11	--	-
CRYPTOPHYTA (CRYPTOMONADS)										
..CRYPTOPHYCEAE										
...CRYPTOMONADALES										
...CRYPTOMONADACEAE										
...CRYPTOMONAS	--	-	--	-	--	-	14	1	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)										
..CYANOPHYCEAE										
...CHROOCOCCALES										
...CHROOCOCCACEAE										
...ANACYSTIS	670#	22	730	6	460#	24	280	11	--	-
...NOSTOCALES										
...NOSTOCACEAE										
...APHANIZOMENON	240	8	--	-	--	-	--	-	470#	15
...OSCILLATORIALES										
...OSCILLATORIAEAE										
...OSCILLATORIA	360	12	--	-	--	-	--	-	930#	30
EUGLENOPHYTA (EUGLENOIDS)										
..EUGLENOPHYCEAE										
...EUGLENALES										
...EUGLENACEAE										
...EUGLENA	--	-	70	1	150	8	42	2	43	1
...PHACUS	--	-	210	2	13	1	56	2	--	-
...TRACHELOMONAS	* 0		170	2	230	12	490#	20	72	2
PYRRHOPHYTA (FIRE ALGAE)										
..DINOPHYCEAE										
...DINOKONTAE										
...GLENODINIACEAE										
...GLENODINIUM	--	-	--	-	77	4	--	-	--	-
...GYMNODINIACEAE										
...GYMNODINIUM	--	-	* 0		--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

YAZOO RIVER BASIN

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	184	170	176	105	102	104	109	107	108	---	---	---
2	195	184	189	110	104	107	108	104	106	---	---	---
3	182	127	150	118	110	115	109	103	107	---	---	---
4	132	126	129	126	114	117	111	105	109	---	---	---
5	131	124	127	128	124	126	107	105	106	---	---	---
6	127	125	127	128	117	119	110	106	107	229	226	227
7	127	122	124	120	111	113	110	108	109	230	208	224
8	122	116	119	114	110	112	110	107	109	333	202	278
9	117	113	115	112	110	111	112	107	109	271	247	256
10	114	111	113	111	107	108	156	107	119	245	234	239
11	113	110	112	107	105	106	138	118	124	233	228	230
12	111	107	109	106	104	105	119	111	114	228	205	221
13	108	103	105	105	102	104	112	108	110	224	204	213
14	104	92	101	104	102	103	113	109	110	226	198	217
15	91	89	90	105	102	104	119	112	116	228	224	226
16	90	88	89	109	106	107	118	106	108	225	223	225
17	91	88	89	112	108	110	109	104	106	228	225	227
18	323	90	137	122	111	117	115	109	113	227	226	227
19	138	96	109	118	106	112	117	115	116	225	222	224
20	103	91	94	169	103	111	117	115	116	223	221	222
21	106	104	105	166	136	147	127	115	120	255	220	240
22	106	104	105	135	117	130	126	119	123	332	255	289
23	108	102	106	117	111	115	135	126	130	252	228	240
24	112	103	108	117	110	114	---	---	---	234	224	227
25	110	105	108	117	113	115	---	---	---	223	219	221
26	109	107	108	116	114	115	---	---	---	224	192	218
27	121	104	108	196	113	134	---	---	---	221	215	218
28	317	98	142	123	107	113	---	---	---	222	210	218
29	134	115	120	107	104	106	---	---	---	210	186	206
30	116	109	113	109	106	108	---	---	---	202	196	199
31	111	104	109	---	---	---	---	---	---	199	193	195

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	197	185	192	---	---	---	363	142	278	198	187	193
2	423	165	207	---	---	---	158	125	141	224	200	212
3	206	140	164	---	---	---	139	112	124	231	217	223
4	155	124	137	---	---	---	109	98	101	251	233	242
5	120	98	108	---	---	---	128	100	107	262	250	256
6	97	88	93	---	---	---	236	134	191	274	262	267
7	99	84	90	---	---	---	321	206	281	274	271	272
8	99	94	97	---	---	---	362	200	320	273	242	252
9	97	94	96	---	---	---	274	125	177	252	242	245
10	93	88	90	---	---	---	192	146	167	259	245	250
11	107	85	93	---	---	---	---	---	---	268	259	263
12	93	85	87	---	---	---	---	---	---	271	263	267
13	85	84	84	---	---	---	---	---	---	341	272	304
14	86	84	85	---	---	---	---	---	---	390	343	366
15	87	84	85	---	---	---	---	---	---	342	325	332
16	97	85	90	---	---	---	---	---	---	326	303	317
17	96	86	90	---	---	---	---	---	---	307	300	303
18	98	90	95	---	---	---	---	---	---	321	308	317
19	103	97	100	---	---	---	---	---	---	330	276	301
20	108	85	104	---	---	---	---	---	---	303	192	255
21	110	103	107	---	---	---	---	---	---	198	183	190
22	136	109	123	---	---	---	---	---	---	180	167	173
23	146	134	141	---	---	---	---	---	---	168	161	163
24	147	134	142	---	---	---	---	---	---	172	161	168
25	---	---	---	---	---	---	---	---	---	160	141	147
26	---	---	---	201	189	193	---	---	---	176	113	134
27	---	---	---	241	189	198	---	---	---	228	118	155
28	---	---	---	391	254	316	---	---	---	147	101	124
29	---	---	---	541	187	416	185	177	180	104	95	99
30	---	---	---	268	187	212	186	185	186	94	87	89
31	---	---	---	333	271	303	---	---	---	93	85	91

YAZOO RIVER BASIN

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07288800 YAZOO RIVER AT REDWOOD, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	83	77	80	241	145	154	330	302	323			
2	78	74	75	157	144	149	320	314	317			
3	81	75	78	275	149	198	316	306	313			
4	107	81	92	266	178	199	306	293	301			
5	96	85	90	197	186	192	295	212	262			
6	104	84	90	284	180	233	---	---	---			
7	97	84	89	185	161	175	---	---	---			
8	116	85	95	186	164	175	---	---	---			
9	145	88	111	192	183	189	---	---	---			
10	113	81	92	189	179	184	---	---	---			
11	120	81	98	201	189	196	---	---	---			
12	122	77	92	184	144	152	---	---	---			
13	113	70	83	146	135	139	---	---	---			
14	76	70	72	144	136	140	---	---	---			
15	85	75	79	146	144	145	---	---	---			
16	87	85	86	155	146	149	---	---	---			
17	87	85	86	180	157	169	---	---	---			
18	91	87	88	203	181	188	---	---	---			
19	93	90	91	239	207	226	---	---	---			
20	95	93	94	250	239	243	---	---	---			
21	97	95	96	259	251	254	---	---	---			
22	101	97	99	270	259	264	---	---	---			
23	104	101	102	284	200	254	---	---	---			
24	107	104	105	294	206	236	---	---	---			
25	112	107	109	305	219	293	---	---	---			
26	117	113	114	319	305	311	---	---	---			
27	123	118	120	326	320	324	---	---	---			
28	128	123	124	340	323	327	---	---	---			
29	135	128	131	420	340	363	---	---	---			
30	171	135	143	389	336	361	---	---	---			
31	---	---	---	343	329	334	---	---	---			

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	23.5	23.0	23.0	15.5	15.0	15.0	8.5	8.0	8.5	---	---	---
2	23.0	21.5	22.5	15.0	15.0	15.0	8.5	8.5	8.5	---	---	---
3	21.5	20.0	20.5	15.0	15.0	15.0	8.5	8.5	8.5	---	---	---
4	20.0	19.5	20.0	15.0	15.0	15.0	8.5	8.0	8.5	---	---	---
5	20.0	19.5	20.0	15.0	15.0	15.0	9.0	8.5	8.5	---	---	---
6	19.5	19.5	19.5	15.0	14.5	15.0	9.5	9.0	9.5	7.5	7.5	7.5
7	19.5	19.0	19.0	15.5	15.0	15.0	10.0	9.5	10.0	7.5	7.5	7.5
8	19.5	19.0	19.5	16.0	15.5	15.5	10.5	10.0	10.5	7.5	6.5	7.0
9	20.0	19.5	19.5	16.0	15.5	16.0	11.0	10.5	10.5	8.0	7.0	7.5
10	20.0	19.5	20.0	16.0	16.0	16.0	10.5	10.5	10.5	7.5	7.0	7.5
11	20.0	20.0	20.0	16.0	15.0	16.0	10.5	10.0	10.5	7.0	6.5	7.0
12	20.0	19.5	20.0	16.0	16.0	16.0	10.5	10.0	10.5	6.5	5.0	6.0
13	20.0	19.5	19.5	16.0	15.5	15.5	10.5	10.0	10.0	6.0	5.5	6.0
14	20.0	19.5	19.5	16.0	15.5	16.0	10.5	10.0	10.0	6.5	5.0	6.0
15	20.0	19.5	19.5	16.0	15.5	16.0	10.0	10.0	10.0	6.5	6.0	6.5
16	20.0	19.5	20.0	15.5	15.0	15.5	10.0	9.5	9.5	6.5	6.0	6.0
17	20.0	20.0	20.0	15.0	14.5	15.0	9.5	9.0	9.5	6.0	5.5	6.0
18	20.0	20.0	20.0	14.5	13.5	14.0	9.5	9.0	9.0	6.0	5.0	5.5
19	20.0	20.0	20.0	13.5	12.5	13.0	9.5	9.0	9.0	6.0	5.5	6.0
20	20.0	19.5	19.5	12.5	12.0	12.0	9.0	8.0	8.5	6.0	6.0	6.0
21	19.5	19.5	19.5	11.5	11.0	11.0	8.0	7.5	7.5	6.0	6.0	6.0
22	19.5	19.5	19.5	11.0	10.0	10.5	7.5	7.0	7.0	6.0	6.0	6.0
23	20.0	19.5	19.5	10.0	9.5	9.5	7.5	7.0	7.0	6.5	5.0	6.5
24	20.0	19.5	19.5	9.5	9.5	9.5	8.0	7.5	8.0	7.0	6.5	7.0
25	19.5	19.0	19.0	9.5	9.5	9.5	---	---	---	8.0	7.0	7.5
26	18.5	18.5	18.5	9.5	9.0	9.0	---	---	---	9.0	8.0	8.5
27	18.5	18.0	18.5	9.0	9.0	9.0	---	---	---	9.0	9.0	9.0
28	18.5	17.5	18.0	9.0	8.5	9.0	---	---	---	9.0	8.5	9.0
29	17.5	16.5	17.0	8.5	8.5	8.5	---	---	---	10.0	9.0	9.5
30	16.5	16.0	16.0	8.5	8.0	8.5	---	---	---	10.0	9.5	10.0
31	15.5	15.5	15.5	---	---	---	---	---	---	9.5	9.5	9.5

YAZOO RIVER BASIN

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	10.0	9.5	10.0	15.5	15.0	15.0	19.0	18.0	18.5	26.0	25.5	25.5
2	9.5	8.5	9.0	15.0	15.0	15.0	19.5	18.5	19.0	26.0	26.0	26.0
3	8.5	8.0	8.5	15.0	15.0	15.0	19.5	19.0	19.5	26.0	26.0	26.0
4	8.0	7.0	7.5	15.5	15.0	15.0	19.5	19.0	19.0	26.5	26.0	26.0
5	7.0	6.5	6.5	15.5	15.0	15.0	19.5	19.0	19.5	26.5	26.0	26.0
6	6.5	6.0	6.5	15.0	15.0	15.0	19.5	19.0	19.5	26.0	26.0	26.0
7	6.0	6.0	6.0	15.0	15.0	15.0	19.5	19.5	19.5	26.0	25.0	25.5
8	6.5	6.0	6.0	14.5	14.5	14.5	19.5	19.5	19.5	25.0	25.0	25.0
9	6.5	6.0	6.5	14.5	14.0	14.0	20.0	19.5	19.5	25.0	25.0	25.0
10	7.0	6.5	7.0	14.0	14.0	14.0	20.5	20.0	20.0	25.0	24.5	25.0
11	7.5	7.0	7.0	14.0	14.0	14.0	---	---	---	24.5	24.0	24.5
12	7.0	6.5	6.5	14.0	13.5	14.0	---	---	---	24.5	24.0	24.0
13	6.5	6.0	6.5	14.0	14.0	14.0	---	---	---	25.0	24.0	24.5
14	6.5	6.0	6.5	14.5	14.0	14.0	---	---	---	25.0	24.5	24.5
15	6.5	6.5	6.5	15.0	14.5	14.5	---	---	---	25.0	24.5	24.5
16	7.0	6.5	7.0	15.0	15.0	15.0	---	---	---	25.0	24.0	24.5
17	8.0	7.0	7.5	15.5	15.0	15.5	---	---	---	25.0	24.0	24.5
18	8.0	8.0	8.0	16.0	15.5	15.5	---	---	---	25.5	24.5	25.0
19	9.0	8.0	8.5	15.5	15.0	15.5	---	---	---	25.5	24.0	25.0
20	10.0	9.0	9.5	---	---	---	---	---	---	25.0	23.5	24.0
21	11.0	10.0	10.5	---	---	---	---	---	---	24.0	23.5	23.5
22	12.0	11.5	11.5	---	---	---	---	---	---	24.0	23.5	23.5
23	12.5	12.0	12.5	---	---	---	---	---	---	24.5	23.5	24.0
24	13.5	12.0	13.0	---	---	---	---	---	---	24.5	24.5	24.5
25	14.0	13.5	13.5	---	---	---	---	---	---	24.5	24.5	24.5
26	14.5	13.5	14.0	15.0	14.0	14.5	---	---	---	25.0	24.0	24.5
27	15.0	14.0	14.5	15.5	14.5	15.0	---	---	---	25.0	24.0	24.5
28	15.0	15.0	15.0	16.0	15.5	16.0	---	---	---	25.5	24.0	25.0
29	---	---	---	16.5	16.0	16.5	25.5	25.0	25.0	26.0	22.0	25.0
30	---	---	---	17.5	16.0	16.5	25.5	25.5	25.5	26.5	22.0	26.0
31	---	---	---	18.0	17.0	17.5	---	---	---	27.0	26.5	26.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	27.0	26.5	27.0	30.0	28.0	29.5	31.5	30.0	31.0	29.0	28.5	29.0
2	27.0	27.0	27.0	29.0	27.5	28.0	31.5	30.0	31.0	28.5	28.0	28.0
3	27.5	27.0	27.5	28.0	27.0	27.5	31.5	30.0	30.5	28.0	27.5	27.5
4	28.0	27.5	28.0	28.0	27.0	27.5	31.0	30.0	30.5	28.0	27.5	27.5
5	28.0	28.0	28.0	28.0	27.5	28.0	31.0	30.5	31.0	28.0	27.5	27.5
6	28.5	28.0	28.5	28.0	27.5	28.0	31.0	30.5	31.0	28.0	27.5	27.5
7	28.5	28.0	28.5	28.0	27.5	27.5	31.0	30.0	31.0	28.0	27.5	28.0
8	29.0	28.5	28.5	28.5	27.5	28.0	31.0	30.0	31.0	28.0	27.0	27.5
9	29.0	28.5	29.0	29.5	28.5	29.0	31.0	30.0	31.0	27.0	26.5	26.5
10	29.5	29.0	29.0	30.0	29.0	29.5	31.0	30.0	31.0	26.5	25.5	26.0
11	30.0	29.5	29.5	30.5	30.0	30.5	31.0	30.5	30.5	26.5	25.5	26.0
12	30.0	29.5	30.0	30.5	30.0	30.0	31.0	30.0	30.5	26.5	25.5	26.5
13	29.5	29.5	29.5	30.0	30.0	30.0	31.0	30.5	30.5	27.0	26.5	26.5
14	30.0	29.5	30.0	30.5	30.0	30.0	31.0	30.5	30.5	27.0	26.5	26.5
15	30.5	30.0	30.5	31.0	30.5	30.5	31.0	30.5	31.0	27.0	26.5	26.5
16	31.0	30.5	30.5	31.5	30.0	31.0	31.5	30.0	31.0	27.0	26.0	26.5
17	31.0	30.5	31.0	32.0	31.5	31.5	31.5	30.0	31.0	26.0	25.5	25.5
18	31.0	31.0	31.0	32.5	32.0	32.0	31.5	30.0	31.0	25.5	20.5	24.5
19	31.0	31.0	31.0	33.0	32.5	32.5	31.0	30.0	30.5	24.5	20.0	22.0
20	---	---	---	33.0	32.5	32.5	30.5	29.5	30.0	24.0	23.5	24.0
21	---	---	---	33.0	32.5	32.5	29.5	29.0	29.5	24.0	23.5	23.5
22	---	---	---	33.0	32.0	32.5	29.0	28.5	29.0	24.0	23.5	23.5
23	---	---	---	33.0	32.5	32.5	28.5	28.5	28.5	24.5	20.5	23.0
24	---	---	---	33.5	32.5	33.0	28.5	28.0	28.5	24.5	20.0	22.5
25	---	---	---	33.5	32.5	33.0	28.5	28.5	28.5	24.5	20.0	22.0
26	---	---	---	33.0	32.5	32.5	28.5	28.0	28.5	24.5	20.0	22.0
27	---	---	---	33.0	32.0	32.5	29.0	28.5	28.5	25.0	20.5	22.5
28	---	---	---	32.5	32.0	32.0	29.0	28.5	29.0	25.5	21.0	24.5
29	---	---	---	32.5	32.0	32.0	29.0	29.0	29.0	25.5	25.0	25.0
30	---	---	---	32.0	31.5	32.0	29.5	29.0	29.0	25.5	21.0	25.0
31	---	---	---	31.5	31.5	31.5	29.5	29.0	29.5	---	---	---

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS
(National stream-quality accounting network station)

LOCATION.--Lat 32°18'45", long 90°54'25", in sec.32, T.16 N., R.3 E., Washington Meridian, Warren County, Hydrologic Unit 08060100, over cavity of fourth pier from left bank at combined highway and railway bridge of Vicksburg Bridge Commission of Warren County, at southern city limits of Vicksburg, 1.5 mi (2.4 km) downstream from Yazoo diversion canal and at mile 430.4 (692.5 km).

DRAINAGE AREA.--1,140,500 mi² (2,953,90 km²), approximately. The 4,000 mi² (10,400 km²), approximately, in the Great Divide basin in Southern Wyoming is not included.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Discharge: January 1928 to September 1980. Prior to July 1931, monthly discharge only, published in WSP 1311.

Gage heights: April 1930 to September 1977 in reports of Geological Survey. Since December 1871, referred to canal gages (above 30.0 ft or 9.14 m only, since December 1949), September 1934 to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage; January 1968 to December 1976, referred to gage 1.1 mi (1.8 km) upstream and since January 1977 referred to gage at mile 437.0, in reports of Corps of Engineers. Since May 1873, in reports of National Weather Service.

Extremes of stage, intermittently 1828 to 1871, and since 1871; extremes of discharge for various years 1858 to 1926 and since 1926; annual mean discharges since 1871; and records of daily discharge 1928 to 1964 are available in reports of Mississippi River Commission. Since January 1947 daily discharge in reports of Corps of Engineers. Prior to October 1968, published as Mississippi River near Vicksburg.

REVISED RECORDS.--WRD Miss. 1975: Drainage area.

GAGE.--Water-stage recorder (bridge gage) operated by Geological Survey. Jan. 1, 1963, to Dec. 31, 1967, supplementary water-stage recorder on left bank near downstream side of bridge, Jan. 1, 1968, to Dec. 31, 1976, on left bank at site 1.1 mi (1.8 km) upstream, and since January 1977 on left bank at downstream side of Interstate 20 bridge, maintained by Corps of Engineers. Datum of gage is 46.22 ft (14.088 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark) or 46.16 ft (14.070 m) above mean gulf level. Gages used by Mississippi River Commission: Dec. 10, 1871, to Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 mi (2.4 km) upstream from bridge gage; since Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 mi (2.4 km) upstream from bridge gage; since October 1929, nonrecording gage on Yazoo diversion canal, 1,600 ft (490 m) upstream from mouth. Gages used by National Weather Service; May 18, 1873, to Oct. 29, 1919, nonrecording gage 0.5 mi (0.8 km) upstream from bridge gage; Oct. 30, 1919, to Nov. 30, 1922, nonrecording gage at mouth of Yazoo Canal; Dec. 1, 1922, to Aug. 31, 1934, nonrecording gage on Yazoo diversion canal; Sept. 1, 1934, to Dec. 31, 1962, nonrecording gage at bridge; Jan. 1, 1963, to Dec. 31, 1967, water-stage recorder on left bank near downstream side of bridge, Jan. 1, 1968, to Dec. 31, 1976, on left bank at site 1.1 mi (1.8 km) upstream, and since Jan. 1, 1977, on left bank at downstream side of Interstate 20 bridge.

All gages at same datum, but readings differ due to slope of water surface between them.

REMARKS.--Natural flow of stream affected by many reservoirs and navigation dams.

COOPERATION.--Supplementary gage-height record and records of daily discharge furnished by Corps of Engineers.

AVERAGE DISCHARGE.--52 years, 576,500 ft³/s (16,326 m³/s), 417,670,000 acre-ft/yr (515 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,080,000 ft³/s (58,900 m³/s) Feb. 17, 1937; maximum gage height, 53.2 ft (16.22 m) Feb. 21, 1937; minimum discharge, 99,400 ft³/s (2,820 m³/s) Nov. 1, 1939; minimum gage height, -7.02 ft (-2.140 m) Feb. 3, 1940 (ice jam above).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1871, 58.4 ft (17.80 m), Corps of Engineers gage on Yazoo diversion canal; approximately 56.0 ft (17.07 m) May 4, 1927 (Geological Survey gage).

EXTREMES FOR WATER YEAR 1980.--Maximum daily discharge, 1,370,000 ft³/s (38,800 m³/s) Apr. 12; maximum gage height, not recorded, at bridge gage, 40.5 ft (12.34 m) Apr. 14 at supplementary recorder; minimum daily discharge, 289,000 ft³/s (8,180 m³/s) Sept. 22; minimum gage height, 8.4 ft (2.56 m) Sept. 21, at supplementary recorder.

NOTE.--Records for 1981 water year will be published in a subsequent report.

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	719000	371000	762000	670000	685000	490000	1222000	1105000	642000	500000	338000	450000
2	721000	371000	752000	698000	680000	520000	1240000	1046000	640000	470000	335000	454000
3	721000	371000	749000	730000	660000	543000	1255000	1000000	620000	450000	328000	438000
4	716000	376000	834000	767000	600000	562000	1267000	950000	581000	435000	322000	420000
5	706000	386000	877000	775000	578000	579000	1281000	863000	550000	432000	320000	400000
6	696000	382000	922000	781000	550000	590000	1298000	825000	518000	430000	318000	365000
7	679000	391000	945000	784000	525000	602000	1314000	779000	495000	425000	316000	310000
8	662000	407000	953000	780000	504000	595000	1321000	735000	478000	428000	313000	298000
9	649000	427000	951000	768000	496000	550000	1342000	687000	471000	440000	310000	300000
10	631000	475000	944000	740000	475000	511000	1360000	662000	490000	445000	300000	310000
11	610000	515000	905000	700000	451000	520000	1365000	630000	545000	449000	286000	322000
12	595000	551000	859000	660000	442000	539000	1370000	601000	579000	435000	290000	331000
13	580000	568000	810000	600000	435000	561000	1362000	575000	625000	418000	305000	342000
14	559000	570000	744000	590000	420000	593000	1358000	545000	642000	401000	318000	350000
15	540000	572000	691000	564000	400000	625000	1315000	522000	648000	395000	327000	360000
16	524000	580000	650000	570000	398000	672000	1290000	498000	650000	388000	320000	350000
17	519000	580000	629000	572000	392000	793000	1263000	472000	645000	385000	315000	335000
18	514000	580000	630000	578000	390000	835000	1257000	459000	642000	383000	312000	322000
19	512000	581000	641000	581000	389000	880000	1245000	450000	640000	398000	320000	308000
20	511000	582000	660000	590000	392000	915000	1244000	454000	627000	405000	330000	298000
21	509000	585000	682000	605000	398000	931000	1242000	459000	608000	420000	348000	292000
22	507000	590000	699000	625000	400000	960000	1250000	470000	595000	429000	361000	289000
23	501000	599000	698000	643000	420000	984000	1262000	488000	577000	428000	382000	290000
24	492000	610000	691000	670000	430000	1005000	1276000	555000	575000	427000	398000	295000
25	487000	628000	684000	696000	444000	1035000	1280000	650000	570000	426000	413000	299000
26	473000	651000	674000	693000	450000	1060000	1270000	679000	578000	400000	422000	301000
27	461000	668000	665000	698000	459000	1085000	1225000	687000	580000	355000	425000	305000
28	439000	678000	656000	667000	462000	1110000	1188000	685000	570000	327000	430000	310000
29	415000	689000	646000	665000	469000	1142000	1170000	680000	550000	325000	439000	312000
30	395000	697000	640000	670000	---	1175000	1144000	648000	528000	328000	442000	315000
31	379000	---	644000	680000	---	1206000	---	645000	---	330000	445000	---
TOTAL	17422000	16031000	23307000	20810000	13794000	24168000	38276000	20504000	17459000	12707000	10828000	10071000
MEAN	562000	534400	751800	671300	475700	779600	1276000	661400	582000	409900	349300	335700
MAX	721000	697000	953000	784000	685000	1206000	1370000	1105000	650000	500000	445000	454000
MIN	379000	371000	629000	564000	389000	490000	1144000	450000	471000	325000	286000	289000
AC-FT	34560000	31800000	46230000	41280000	27360000	47940000	75920000	40670000	34630000	25200000	21480000	19980000
CAL YR 1979 TOTAL	311517000			MEAN 853500		MAX 1694000		MIN 371000	AC-FT 617900000			
WTR YR 1980 TOTAL	225377000			MEAN 615800		MAX 1370000		MIN 286000	AC-FT 447000000			

MISSISSIPPI RIVER MAIN STEM

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07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.10	13.00	25.30	22.80	22.70	16.30	37.60	36.80	23.00	18.70	11.40	16.80
2	25.40	12.60	26.50	28.80	22.20	16.70	38.00	35.90	23.80	17.70	11.60	16.60
3	25.50	12.40	27.90	24.60	21.50	17.70	38.40	34.80	22.30	17.00	11.40	16.00
4	25.30	12.50	28.80	25.30	20.50	18.50	38.80	33.50	21.60	16.50	10.80	15.00
5	25.00	12.60	29.50	25.80	17.60	19.00	39.00	31.70	20.60	16.10	9.90	13.70
6	24.60	12.50	30.20	25.80	18.30	19.50	39.20	29.90	19.40	16.10	9.50	12.40
7	24.00	12.50	30.50	25.80	17.40	19.40	39.40	28.60	18.20	16.10	9.50	11.00
8	23.40	13.00	30.60	25.60	16.50	19.00	39.50	27.00	17.20	15.90	9.90	9.90
9	23.00	14.30	30.60	24.90	16.00	18.00	39.60	25.60	16.60	15.90	10.00	9.40
10	22.50	15.60	30.30	24.00	15.90	19.00	39.70	24.50	17.00	16.10	9.60	9.50
11	22.00	16.50	29.70	23.00	15.50	16.20	39.80	28.50	18.20	16.20	9.00	10.00
12	21.40	18.00	28.70	22.10	14.80	16.30	40.00	22.50	20.00	15.90	8.80	10.50
13	20.80	18.70	27.80	21.20	14.00	17.30	40.30	21.30	21.40	15.40	9.00	11.00
14	20.10	19.50	26.60	20.30	13.30	19.20	40.50	20.00	22.40	14.70	9.50	11.50
15	19.40	19.80	25.50	19.70	12.90	20.50	40.40	18.80	22.90	14.10	9.90	11.70
16	18.50	20.00	24.50	19.10	12.60	22.20	40.20	17.90	22.90	13.50	10.10	11.70
17	18.10	20.30	23.30	18.80	12.40	22.90	39.90	17.40	22.70	13.20	10.10	11.30
18	17.70	20.40	22.30	18.80	12.20	26.10	39.60	17.00	22.50	13.30	10.00	10.70
19	17.40	20.60	21.80	19.50	12.20	27.30	39.30	16.90	21.90	13.70	10.00	10.00
20	17.30	20.50	22.10	20.20	12.30	28.40	39.00	17.10	21.60	14.10	10.10	9.40
21	17.40	20.50	22.40	20.70	12.50	29.40	38.90	17.10	21.30	14.60	10.90	8.40
22	17.50	20.40	22.70	21.30	13.00	30.20	38.80	17.50	21.00	15.10	12.00	8.80
23	17.70	20.50	23.20	22.30	13.50	30.90	38.60	18.20	20.70	15.60	13.00	8.80
24	17.60	21.30	23.50	22.70	14.00	31.60	38.60	19.40	20.50	15.50	13.70	8.90
25	17.40	22.00	23.40	23.00	14.70	32.20	38.40	21.10	20.60	15.30	14.10	9.00
26	17.00	22.50	23.20	22.90	15.20	33.00	38.60	22.70	20.60	14.20	14.40	9.20
27	16.10	22.60	22.80	22.70	15.60	33.80	38.40	23.40	20.70	13.00	14.90	9.30
28	15.30	22.70	22.20	22.90	15.80	35.00	38.30	23.70	20.40	11.60	15.40	9.50
29	14.50	23.00	21.50	23.00	16.00	35.60	37.90	23.60	20.00	10.90	16.10	9.70
30	13.90	23.90	21.20	23.00	---	36.50	37.40	23.30	19.30	10.00	16.50	10.00
31	13.50	---	21.80	23.00	---	37.10	---	23.10	---	11.00	16.80	---
MEAN	19.82	18.16	25.50	22.70	15.56	24.67	39.07	23.83	20.71	14.74	11.55	10.99
MAX	25.50	23.90	30.60	28.80	22.70	37.10	40.50	36.80	23.80	18.70	16.80	16.80
MIN	13.50	12.40	21.20	18.80	12.20	16.20	37.40	16.90	16.60	10.00	8.80	8.40
CAL YR 1979	MEAN 28.27		MAX 47.90	MIN 12.40								
WTR YR 1980	MEAN 20.62		MAX 40.50	MIN 8.40								

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1962, 1972 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1975 to current year.

WATER TEMPERATURE: October 1973 to current year.

INSTRUMENTATION.--Specific conductance/temperature recorder since October 1973.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument.

COOPERATION.--Discharge measurements were furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 482 micromhos Sept. 19, 1976; minimum, 259 micromhos Jan. 13, 1976.

WATER TEMPERATURE: Maximum, 31.0°C July 14-15, 1977; minimum, 0.0°C Jan. 15-27, Feb. 12, 1977.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 510 micromhos Nov. 18, 1974; minimum, 181 micromhos May 3, 1973.

WATER TEMPERATURE: Maximum, 32.0°C July 13, 1978; minimum, 2.0°C Jan. 16, Feb. 10-12, 1979.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 530 micromhos Jan. 17; minimum, 257 micromhos June 15.

WATER TEMPERATURE: Maximum, 31.0°C July 20-28; minimum, 2.5°C Jan. 19.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

		STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS NONCAR- BONATE (MG/L AS CACU3)	CALCIUM DIS- SOLVED (MG/L AS CA)
DATE	TIME											
OCT 08...	1100	302000	417	8.0	20.0	1.0	7.9	--	--	160	42	40
NOV 03...	1300	243000	450	7.8	15.0	.80	10.2	450	K25	170	37	42
DEC 01...	1330	318000	439	8.0	9.0	3.8	12.5	130	K43	160	46	41
JAN 13...	1200	176000	502	7.8	3.0	2.5	13.5	240	K63	200	52	51
FEB 03...	1400	192000	473	8.2	6.0	12	12.0	540	310	170	25	48
25...	1500	393000	390	7.3	6.5	1.6	10.2	200	230	130	51	36
MAR 25...	1100	334000	380	7.5	10.0	10	9.5	300	K82	140	48	37
APR 28...	1200	621000	404	7.7	19.5	140	7.3	1000	310	170	75	43
MAY 28...	1200	850000	310	7.8	18.5	150	6.8	2600	320	140	37	36
JUN 24...	1200	876000	290	7.6	27.0	100	6.2	K400	K180	130	43	34
JUL 29...	1100	520000	395	7.5	29.0	110	6.4	350	100	160	48	42
SEP 22...	1200	322000	420	7.5	23.5	40	8.0	350	1900	170	42	44
	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)
DATE												
OCT 08...	15	23	23	.8	3.6	120	55	18	.3	8.1	258	241
NOV 03...	15	29	27	1.0	3.6	130	75	18	.2	5.7	290	271
DEC 01...	13	23	24	.8	3.4	110	69	22	.2	4.6	265	247
JAN 13...	18	25	21	.8	3.3	150	64	24	.2	7.1	305	289
FEB 03...	11	26	25	.9	3.0	140	61	22	.3	4.2	270	265
25...	10	21	25	.8	2.9	80	53	23	.2	4.7	221	203
MAR 25...	12	16	19	.6	3.3	94	47	20	.2	6.8	228	207
APR 28...	14	20	20	.7	3.2	90	60	18	.2	6.5	237	228
MAY 28...	11	15	19	.6	2.8	98	42	14	.2	5.6	199	194
JUN 24...	9.8	13	18	.5	2.9	82	39	13	.2	6.4	211	174
JUL 29...	13	19	20	.7	3.7	115	47	15	.2	7.6	244	218
SEP 22...	15	21	21	.7	3.3	130	57	20	.3	2.8	268	248

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DTS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DTS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DTS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DTS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)
OCT 08...	.35	210000	1.2	1.2	.000	.060	.00	.08	.45	.43	.45	.00
NOV 03...	.39	190000	.96	.96	.050	.080	.06	.10	.55	.39	.60	.13
DEC 01...	.36	228000	.91	.95	.060	.070	.07	.09	.51	.26	.57	.24
JAN 13...	.41	145000	1.4	1.4	.080	.070	.10	.09	.45	.33	.53	.13
FEB 03...	.37	140000	1.0	1.1	.040	.170	.05	.22	.76	.36	.80	.27
25...	.30	235000	1.0	1.0	.190	.180	.23	.23	.55	.38	.74	.18
MAR 25...	.31	206000	1.9	1.9	.030	.040	.04	.05	.66	.29	.69	.36
APR 28...	.32	397000	2.1	2.1	.130	<.010	.16	.01	1.3	--	1.40	.91
MAY 28...	.27	457000	2.1	2.0	.130	.070	.16	.09	.85	.57	.98	.34
JUN 24...	.29	499000	1.4	1.4	.030	.040	.04	.05	.56	.47	.59	.08
JUL 29...	.33	343000	1.8	1.8	.020	.030	.02	.04	.54	.53	.56	.00
SEP 22...	.36	233000	1.4	1.5	.030	.060	.04	.08	.43	.49	.46	.00

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CFLLS PER ML)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 08...	.49	1.7	7.3	.180	.55	.110	--	--	163	133000	90
NOV 03...	.47	1.6	6.9	.210	.64	.100	6.4	13000	230	151000	90
DEC 01...	.33	1.5	6.6	.160	.49	.090	5.0	--	235	202000	76
JAN 13...	.40	1.9	8.5	.140	.43	.050	--	--	146	69400	81
FEB 03...	.53	1.8	8.0	.260	.80	.060	5.7	--	484	251000	93
25...	.56	1.7	7.7	.240	.74	.040	4.1	8900	310	329000	81
MAR 25...	.33	2.6	11	.110	.34	.060	--	--	247	223000	78
APR 28...	.49	3.5	16	.430	1.3	.070	9.5	2600	461	773000	93
MAY 28...	.64	3.1	14	.200	.61	.050	.7	4200	690	1580000	80
JUN 24...	.51	2.0	8.8	.280	.86	.060	--	5100	249	339000	90
JUL 29...	.56	2.4	10	.110	.34	.110	7.4	8500	490	688000	82
SEP 22...	.55	1.9	8.2	.210	.64	.090	4.4	4700	232	202000	84

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS HA)	BARIUM, DIS- SOLVED (UG/L AS HA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CP)	CHRO- MIUM, SUS- PENDE RECOV- ERABLE (UG/L AS CR)
OCT 08...	4	1	3	100	40	60	0	0	4	20	--
JAN 13...	4	3	1	100	30	70	4	0	4	20	10
MAR 25...	0	0	1	100	0	100	0	0	0	10	0
JUN 24...	2	0	2	100	40	60	0	0	2	10	--

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDE RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT 08...	<10	0	0	0	8	2	6	2600	2600	10	5
JAN 13...	10	5	5	0	3	3	0	1700	--	<10	3
MAR 25...	10	0	0	0	6	3	3	2600	2600	20	23
JUN 24...	<10	2	2	0	14	9	5	6800	6800	20	11

DATE	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PR)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
OCT 08...	4	1	210	200	7	.2	.0	.2	6	0	6
JAN 13...	1	2	120	90	30	<.1	--	<.1	0	0	0
MAR 25...	21	2	150	140	10	<.1	--	<.1	9	7	2
JUN 24...	11	0	270	260	10	.2	--	<.1	11	5	6

DATE	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)
OCT 08...	0	0	0	--	--	--	50	50	5	3.6	2.3
JAN 13...	0	0	0	3	0	3	20	--	<4	3.6	1.4
MAR 25...	0	0	0	0	0	0	40	30	10	21	1.1
JUN 24...	0	0	0	0	0	0	60	40	20	4.8	2.6

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07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

DATE TIME	NOV 3, 80 1300	FEB 25, 81 1500	APR 28, 81 1200	MAY 28, 81 1200				
TOTAL CELLS/ML	13000	8900	2600	4200				
DIVERSITY: DIVISION	1.6	0.4	1.0	1.5				
...CLASS	1.6	0.4	1.0	1.5				
...ORDER	2.1	1.0	2.3	2.4				
...FAMILY	2.6	1.1	2.4	2.7				
...GENUS	3.2	1.3	3.3	3.4				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)								
..BACILLARIOPHYCEAE								
...ACHNANTHALES								
...ACHNANTHACEAE								
...ACHNANTHES	--	-	--	-	14	1	47	1
...BACILLARIALES								
...NITZSCHIAEAE								
...NITZSCHIA	75	1	220	2	98	4	160	4
...EUPODISCALES								
...COSCINODISCAEAE								
...COSCINODISCUS	--	-	--	-	--	-	--	-
...CYCLOTELLA	1400	11	--	-	660#	26	980#	23
...MELOSIRA	1400	11	150	2	500#	20	650#	16
...STEPHANODISCUS	450	4	7200#	81	150	6	93	2
...FRAGILARIALES								
...FRAGILARIAEAE								
...ASTERIONELLA	--	-	300	3	110	4	120	3
...DIATOMA	--	-	--	-	--	-	23	1
...FRAGILARIA	--	-	--	-	350	14	--	-
...SYNEDRA	--	-	220	2	--	-	--	-
...TABELLARIA	--	-	--	-	--	-	--	-
...NAVICULALES								
...NAVICULACEAE								
...NAVICULA	--	-	--	-	14	1	23	1
...SURIPELLALES								
...SURIPELLACEAE								
...CYMATOPLEURA	--	-	--	-	--	-	23	1
...SURIPELLA	--	-	--	-	56	2	47	1
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOPOCOCCALES								
...CHLOPOCOCCACEAE								
...TETRAEDRON	--	-	--	-	--	-	--	-
...DICTYOSPHAERIACEAE								
...DICTYOSPHAERIUM	1200	9	--	-	--	-	--	-
...HYDRODICTYACEAE								
...PEDIASTRUM	530	4	--	-	--	-	--	-
...MICRACTINIACEAE								
...MICRACTINIUM	--	-	300	3	--	-	93	2
...OOCYSTACEAE								
...ANKISTRODESMUS	--	-	74	1	28	1	190	4
...CHODATELLA	*	0	--	-	--	-	--	-
...KIRCHNERIELLA	--	-	--	-	56	2	--	-
...OOCYSTIS	*	0	--	-	--	-	--	-
...SELENASTRUM	*	0	--	-	--	-	--	-
...TREUBARIA	--	-	--	-	--	-	23	1
...SCENEDESMACEAE								
...ACTINASTRUM	300	2	--	-	--	-	190	4
...COELASTRUM			--	-	--	-	--	-
...CRUCIGENIA	600	5	--	-	28	1	--	-
...GLOEOACTINIUM	--	-	--	-	--	-	--	-
...SCENEDESMUS	1700	13	300	3	170	7	610	15
...TETRASTRUM	--	-	--	-	--	-	--	-
...VOLVOCALES								
...CHLAMYDOMONADACEAE								
...CHLAMYDOMONAS	150	1	150	2	110	4	190	4
...PHACOTACEAE								
...PTEROMONAS	--	-	--	-	--	-	--	-
CHRYSTOPHYTA								
..CHRYSTOPHYCEAE								
...OCHROMONADALES								
...OCHROMONADACEAE								
...OCHROMONAS	--	-	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)								
..CRYPTOPHYCEAE								
...CRYPTOMONADALES								
...CRYPTOCHRYSTACEAE								
...CHROOMONAS	*	0	--	-	--	-	--	-
...CRYPTOMONADACEAE								
...CRYPTOMONAS	--	-	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

DATE TIME	NOV 3, 80 1300		FEB 25, 81 1500		APR 28, 81 1200		MAY 28, 81 1200	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
....CHROOCOCCACEAE								
....ANACYSTIS	1500	12	--	-	42	2	370	9
...NOSTOCALES								
....HAMMATUIDACEAE								
....RAPHIOTOPSIS	--	-	--	-	--	-	--	-
...OSCILLATORIALES								
....OSCILLATORIACEAE								
....LYNGRYA	--	-	--	-	170	7	--	-
....OSCILLATORIA	3200#	26	--	-	--	-	350	8
EUGLENOPHYTA (EUGLENOIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
....EUGLENACEAE								
....EUGLENA	--	-	--	-	14	1	--	-
....TRACHELOMONAS	*	0	--	-	--	-	--	-
PYRRHOPHYTA (FIRE ALGAE)								
..DINOPHYCEAE								
...DINOKONTAE								
....GLENODINIACEAE								
....GLENODINIUM	--	-	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

DATE TIME	JUN 24, 81 1200	JUL 29, 81 1100	SEP 22, 81 1200			
TOTAL CELLS/ML	5100	4500	4700			
DIVERSITY: DIVISION	1.4	1.2	1.2			
..CLASS	1.4	1.2	1.2			
...ORDER	2.1	1.5	1.3			
...FAMILY	2.2	1.6	1.4			
....GENUS	2.5	2.0	2.3			
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)						
..BACILLARTOPHYCEAE						
...ACHNANTHALES						
....ACHNANTHACEAE						
.....ACHNANTHES	--	-	--	-	--	-
..BACILLARIALES						
...NITZSCHIAEAE						
....NITZSCHIA	96	2	120	1	61	1
...EUPHODISCALES						
....COSCINODISCACEAE						
.....COSCINODISCUS	*	0	--	-	2000#	42
....CYCLOTELLA	300	6	420	5	210	5
....MELOSIRA	660	13	1300#	15	1100#	24
....STEPHANODISCUS	27	1	--	-	--	-
..FRAGILARIALES						
...FRAGILARIAEAE						
....ASTERIONELLA	--	-	--	-	--	-
....DIATOMA	--	-	--	-	--	-
....FRAGILARIA	370	7	60	1	--	-
....SYNEDRA	*	0	--	-	--	-
....TABELLARIA	--	-	*	0	--	-
..NAVICULALES						
...NAVICULACEAE						
....NAVICULA	--	-	--	-	--	-
..SURIRELLALES						
...SURIRELLACEAE						
....CYMATOPLEURA	--	-	--	-	--	-
....SURIRELLA	--	-	--	-	--	-
CHLOROPHYTA (GREEN ALGAE)						
..CHLOROPHYCEAE						
...CHLOROCOCCALES						
....CHLOROCOCCACEAE						
.....TETRAEDRON	55	1	--	-	--	-
...DICTYOSPHAERIAEAE						
....DICTYOSPHAERIUM	--	-	240	3	--	-
...HYDRODICTYACEAE						
....PEDIASTRUM	--	-	--	-	--	-
...MICRACTINIACEAE						
....MICRACTINIUM	--	-	--	-	--	-
...NOCYSTACEAE						
....ANKISTRODESMUS	27	1	--	-	91	2
....CHODATELLA	--	-	--	-	--	-
....KIRCHNERIELLA	*	0	--	-	--	-
....NOCYSTIS	*	0	110	1	--	-
....SELENASTRUM	--	-	--	-	--	-
....TREUBARIA	--	-	--	-	61	1
...SCENEDESMACEAE						
....ACTINASTRUM	--	-	--	-	--	-
....COELASTRUM	96	2	--	-	--	-
....CRUCIGENIA	--	-	--	-	180	4
....GLOEOACTINIUM	250	5	*	0	--	-
....SCENEDESMUS	55	1	150	2	180	4
....TETRASTRUM	--	-	110	1	--	-
..VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CHLAMYDOMONAS	*	0	*	0	--	-
...PHACOTACEAE						
....PTEROMONAS	--	-	*	0	--	-
CHRYSOPHYTA						
..CHRYSOPHYCEAE						
...OCHROMONADALES						
....OCHROMONADACEAE						
.....OCHROMONAS	*	0	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)						
..CRYPTOPHYCEAE						
...CRYPTOMONADALES						
....CRYPTOCHRYSIDACEAE						
.....CHROMONAS	--	-	--	-	30	1
....CRYPTOMONADACEAE						
.....CRYPTOMONAS	*	0	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

DATE TIME	JUN 24, 81 1200		JUL 29, 81 1100		SEP 22, 81 1200	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
...CHROCOCCALES						
...CHROCOCCACEAE						
....ANACYSTIS	410	8	60	1	--	-
...NOSTOCALES						
....HAMMATOIDEACEAE						
....RAPHIIDIOPSIS	--	-	75	1	--	-
...OSCILLATORIALES						
...OSCILLATORIAEAE						
....LYNGBYA	--	-	360	4	--	-
....OSCILLATORIA	2700#	52	5400#	63	760#	16
EUGLENOPHYTA (EUGLENOIDS)						
..EUGLENOPHYCEAE						
...EUGLENALES						
....EUGLENAEAE						
....EUGLENA	--	-	*	0	--	-
....TRACHELOMONAS	*	0	*	0	--	-
PYRRHOPHYTA (FIRE ALGAE)						
..DINOPHYCEAE						
...DINOKONTAE						
....GLENODINIACEAE						
....GLENODINIUM	*	0	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2X

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	412	407	410	516	501	512	458	452	455	---	---	---
2	415	410	412	515	497	507	469	457	461	---	---	---
3	412	394	404	501	496	499	484	469	479	---	---	---
4	393	378	385	503	497	500	484	473	480	---	---	---
5	397	389	395	506	494	502	472	452	462	---	---	---
6	405	393	398	492	473	479	455	446	450	---	---	---
7	411	404	406	491	473	482	476	456	466	511	503	507
8	423	411	417	502	492	497	489	477	484	521	511	515
9	425	421	423	502	495	500	497	487	493	524	520	522
10	421	415	417	496	492	493	518	499	508	521	512	516
11	418	416	417	494	490	493	522	519	521	511	507	509
12	417	415	417	500	485	494	526	522	525	510	506	508
13	415	409	411	512	501	507	525	512	520	508	506	507
14	414	409	411	512	500	508	511	495	502	509	507	508
15	419	414	417	500	492	495	495	487	490	518	508	513
16	---	---	---	503	493	498	487	481	484	529	519	524
17	---	---	---	508	498	501	483	479	481	530	528	529
18	---	---	---	510	495	503	494	483	488	528	525	526
19	---	---	---	495	484	489	498	489	496	529	527	528
20	---	---	---	502	474	493	489	465	475	529	525	527
21	---	---	---	491	476	485	470	464	467	525	521	523
22	---	---	---	484	462	478	469	451	462	523	520	522
23	---	---	---	470	460	468	450	429	439	524	519	522
24	505	494	500	463	453	459	429	418	423	519	514	516
25	493	479	484	463	454	457	422	419	420	518	513	516
26	491	481	486	465	459	462	424	422	423	513	507	511
27	496	489	493	469	458	463	426	423	424	508	499	504
28	490	427	451	471	461	467	435	427	431	501	496	499
29	457	429	437	459	439	449	445	435	440	506	502	504
30	447	419	430	452	444	448	453	445	450	505	500	503
31	503	443	469	---	---	---	465	426	455	502	495	500

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	501	494	499	---	---	---	377	345	362	372	370	371
2	502	495	499	---	---	---	379	345	366	370	368	369
3	499	455	474	---	---	---	378	361	373	370	369	370
4	458	435	449	---	---	---	372	364	368	369	360	365
5	467	425	452	---	---	---	368	364	366	360	352	355
6	493	427	461	---	---	---	369	367	368	357	352	354
7	500	459	483	---	---	---	378	368	373	361	357	359
8	492	469	485	---	---	---	378	368	374	369	361	364
9	481	471	475	---	---	---	367	360	364	380	369	374
10	473	466	472	---	---	---	360	351	356	390	380	385
11	464	415	438	---	---	---	350	343	345	397	389	393
12	414	408	410	---	---	---	358	344	349	401	397	399
13	415	410	413	---	---	---	387	358	372	400	398	399
14	424	415	419	---	---	---	403	388	397	393	391	394
15	435	425	430	---	---	---	402	394	399	392	389	390
16	439	434	437	---	---	---	393	385	388	397	392	394
17	442	440	441	---	---	---	388	384	386	407	397	402
18	439	424	433	---	---	---	391	387	389	415	408	413
19	422	404	413	---	---	---	394	391	393	417	411	414
20	403	384	393	---	---	---	397	393	395	432	416	424
21	384	382	383	---	---	---	404	397	400	433	419	429
22	388	383	385	---	---	---	411	403	407	417	393	403
23	394	388	391	---	---	---	417	410	414	396	391	393
24	396	392	395	---	---	---	414	409	411	404	396	401
25	392	388	390	---	---	---	410	402	407	404	399	402
26	---	---	---	---	---	---	402	392	396	402	369	387
27	---	---	---	---	---	---	391	388	389	367	322	343
28	---	---	---	383	380	382	390	387	388	321	310	313
29	---	---	---	383	376	380	388	374	381	310	306	308
30	---	---	---	380	376	378	373	370	371	306	304	305
31	---	---	---	380	376	379	---	---	---	310	307	309

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	317	309	314	344	333	341	357	351	354	456	449	452
2	316	312	315	332	316	324	367	357	363	456	446	453
3	312	307	309	315	311	312	360	349	354	446	429	436
4	309	307	308	321	312	316	350	339	346	429	423	427
5	311	304	308	329	321	326	340	332	337	423	419	420
6	320	311	316	332	329	331	330	316	322	444	420	430
7	319	309	314	331	329	330	317	314	316	461	445	453
8	308	292	300	339	331	336	312	304	307	460	443	452
9	291	278	285	340	338	339	323	312	320	443	436	439
10	277	270	273	349	338	342	319	314	316	451	432	448
11	275	270	271	363	350	356	330	320	327	451	446	449
12	282	275	278	380	364	372	328	316	321	446	431	438
13	282	276	279	380	374	378	327	316	323	431	427	429
14	276	259	269	374	368	372	357	325	341	428	422	424
15	292	257	273	367	360	363	385	358	373	426	422	424
16	293	291	292	367	360	364	392	385	387	425	422	424
17	295	291	292	362	350	356	427	393	408	431	425	428
18	301	294	298	349	343	345	442	428	438	437	431	433
19	304	301	303	349	343	346	438	415	424	438	434	436
20	304	300	302	358	341	349	425	416	420	435	433	434
21	305	299	301	357	335	351	425	418	421	435	432	433
22	312	305	309	362	354	357	420	417	418	442	434	437
23	313	305	311	374	364	370	420	416	417	472	443	462
24	316	310	313	390	371	377	421	418	420	471	458	464
25	332	317	324	397	392	395	425	419	421	460	454	457
26	341	331	338	402	391	394	425	417	421	461	458	460
27	343	340	341	407	402	405	426	418	422	457	446	450
28	343	340	342	401	395	397	427	421	423	454	448	452
29	345	343	344	398	391	396	427	422	423	460	453	455
30	345	344	344	390	363	377	436	428	431	478	460	469
31	---	---	---	363	352	360	449	437	443	---	---	---

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	22.0	21.5	21.5	15.5	15.0	15.5	9.0	9.0	9.0	---	---	---
2	22.0	21.5	21.5	15.5	15.0	15.0	9.0	9.0	9.0	---	---	---
3	21.5	21.0	21.5	15.0	15.0	15.0	9.0	8.5	9.0	---	---	---
4	21.0	20.5	21.0	15.0	14.5	15.0	8.5	8.5	8.5	---	---	---
5	20.5	20.0	20.5	15.0	14.5	14.5	9.0	8.5	9.0	---	---	---
6	20.0	20.0	20.0	15.0	14.5	14.5	9.0	9.0	9.0	---	---	---
7	20.0	19.5	20.0	15.0	15.0	15.0	9.0	9.0	9.0	4.5	4.5	4.5
8	20.0	19.5	20.0	15.0	15.0	15.0	9.5	9.0	9.5	4.5	4.0	4.0
9	20.0	19.5	20.0	15.5	15.0	15.0	10.0	9.5	10.0	4.5	4.0	4.0
10	20.0	19.5	20.0	15.5	15.0	15.0	10.0	9.5	10.0	4.5	4.0	4.0
11	20.0	19.5	20.0	15.5	15.0	15.0	9.5	9.5	9.5	4.0	3.5	4.0
12	20.0	19.5	19.5	15.5	15.0	15.0	9.5	9.5	9.5	3.5	3.0	3.5
13	19.5	19.0	19.5	15.0	14.5	15.0	9.5	9.5	9.5	3.5	3.0	3.0
14	19.5	19.0	19.0	15.0	14.5	15.0	9.5	9.0	9.5	3.5	3.0	3.0
15	19.0	19.0	19.0	15.0	14.5	15.0	9.0	9.0	9.0	3.5	3.5	3.5
16	---	---	---	14.5	14.0	14.0	9.0	8.5	9.0	3.5	3.0	3.0
17	---	---	---	14.0	13.0	13.5	8.5	8.5	8.5	3.0	3.0	3.0
18	---	---	---	13.0	12.5	12.5	8.5	8.5	8.5	3.0	3.0	3.0
19	---	---	---	12.0	11.5	12.0	8.5	8.0	8.5	3.0	2.5	3.0
20	---	---	---	11.5	11.5	11.5	8.0	6.5	7.5	3.0	3.0	3.0
21	---	---	---	11.5	11.0	11.5	6.5	6.0	6.5	3.0	3.0	3.0
22	---	---	---	11.0	10.5	11.0	6.0	5.5	6.0	3.0	3.0	3.0
23	---	---	---	10.5	10.5	10.5	5.5	5.5	5.5	3.5	3.0	3.0
24	---	---	---	10.5	10.0	10.5	6.0	5.5	5.5	3.5	3.0	3.5
25	19.0	18.5	18.5	10.0	9.5	10.0	5.5	5.0	5.0	4.0	3.5	4.0
26	18.5	18.0	18.0	10.0	9.0	9.5	5.0	4.5	4.5	5.0	4.0	4.5
27	18.0	17.5	18.0	9.0	9.0	9.0	4.5	4.5	4.5	5.5	5.0	5.0
28	18.0	17.5	17.5	9.0	9.0	9.0	4.5	4.5	4.5	5.5	5.0	5.5
29	17.5	16.5	17.0	9.0	9.0	9.0	4.5	4.5	4.5	6.0	5.5	6.0
30	16.5	15.5	16.0	9.0	8.5	9.0	4.5	4.5	4.5	6.5	6.0	6.0
31	15.5	15.5	15.5	---	---	---	5.0	4.5	4.5	6.5	6.0	6.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	6.5	6.5	6.5	---	---	---	15.0	13.5	14.0	20.0	19.5	19.5
2	6.5	6.0	6.0	---	---	---	15.5	14.0	14.5	20.0	19.5	20.0
3	6.0	5.5	6.0	---	---	---	15.5	15.0	15.0	20.0	19.5	20.0
4	6.0	5.5	5.5	---	---	---	16.0	15.5	16.0	20.0	19.5	20.0
5	5.5	4.5	5.0	---	---	---	16.0	16.0	16.0	20.0	20.0	20.0
6	5.0	4.0	4.5	---	---	---	16.0	16.0	16.0	20.0	20.0	20.0
7	4.5	4.0	4.5	---	---	---	16.0	16.0	16.0	20.5	20.0	20.0
8	4.0	4.0	4.0	---	---	---	16.0	16.0	16.0	20.0	20.0	20.0
9	4.0	4.0	4.0	---	---	---	16.5	16.0	16.5	20.0	20.0	20.0
10	4.5	4.0	4.0	---	---	---	16.5	16.5	16.5	20.0	19.5	20.0
11	4.5	3.5	4.0	---	---	---	17.0	16.5	17.0	19.5	19.5	19.5
12	3.5	3.0	3.5	---	---	---	17.5	17.0	17.0	19.5	19.5	19.5
13	3.0	3.0	3.0	---	---	---	18.0	17.5	17.5	19.5	19.5	19.5
14	3.5	3.0	3.0	---	---	---	18.5	18.0	18.0	19.5	19.5	19.5
15	3.5	3.0	3.0	---	---	---	18.5	18.5	18.5	20.0	19.5	19.5
16	3.5	3.5	3.5	---	---	---	18.5	18.5	18.5	19.5	19.0	19.5
17	3.5	3.5	3.5	---	---	---	19.0	18.5	18.5	19.5	19.0	19.0
18	4.0	3.5	3.5	---	---	---	19.0	19.0	19.0	19.5	19.5	19.5
19	4.5	4.0	4.0	---	---	---	19.0	19.0	19.0	19.5	19.0	19.0
20	5.0	4.5	4.5	---	---	---	19.5	19.0	19.0	19.0	18.5	18.5
21	5.5	5.0	5.0	---	---	---	19.5	19.0	19.0	18.5	18.5	18.5
22	6.0	5.5	5.5	---	---	---	19.0	19.0	19.0	18.5	18.5	18.5
23	6.0	5.5	6.0	---	---	---	19.0	19.0	19.0	19.0	18.5	18.5
24	6.5	6.0	6.0	---	---	---	19.0	19.0	19.0	18.5	18.5	18.5
25	6.5	6.5	6.5	---	---	---	19.0	19.0	19.0	18.5	18.5	18.5
26	---	---	---	---	---	---	19.0	18.5	19.0	18.5	18.5	18.5
27	---	---	---	---	---	---	19.5	19.0	19.0	18.5	18.5	18.5
28	---	---	---	12.0	11.0	11.5	19.5	19.0	19.0	19.0	18.5	18.5
29	---	---	---	12.5	12.0	12.0	19.5	19.0	19.5	19.5	19.0	19.0
30	---	---	---	13.0	12.5	12.5	19.5	19.5	19.5	20.0	19.5	19.5
31	---	---	---	13.5	13.0	13.0	---	---	---	20.5	20.0	20.0

MISSISSIPPI RIVER MAIN STEM

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07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	21.0	20.5	20.5	27.0	26.5	27.0	29.0	28.5	28.5	28.0	27.5	27.5
2	21.5	21.0	21.0	26.5	26.5	26.5	28.5	28.5	28.5	27.5	27.5	27.5
3	22.0	21.5	21.5	26.5	26.5	26.5	28.5	28.0	28.5	27.5	27.0	27.0
4	22.5	22.0	22.0	27.0	26.5	27.0	28.5	28.0	28.0	27.0	27.0	27.0
5	23.0	22.5	22.5	27.0	27.0	27.0	28.5	28.0	28.0	27.0	27.0	27.0
6	23.5	23.0	23.0	27.0	26.5	27.0	28.5	28.0	28.0	27.0	26.5	27.0
7	23.5	23.0	23.5	27.5	27.0	27.0	28.5	28.0	28.5	27.0	27.0	27.0
8	24.0	23.5	23.5	28.0	27.5	27.5	28.0	28.0	28.0	27.5	27.0	27.0
9	24.5	24.0	24.0	28.5	28.0	28.0	28.0	28.0	28.0	27.0	27.0	27.0
10	25.0	24.5	24.5	29.0	28.5	28.5	28.0	28.0	28.0	27.0	26.5	27.0
11	25.0	25.0	25.0	29.0	29.0	29.0	28.5	28.0	28.0	27.0	26.5	26.5
12	25.5	25.0	25.5	29.0	29.0	29.0	28.5	28.0	28.5	27.0	26.5	26.5
13	26.0	25.5	25.5	29.5	29.0	29.0	29.0	28.5	28.5	26.5	26.5	26.5
14	26.0	26.0	26.0	29.5	29.0	29.5	29.0	28.5	29.0	26.5	26.5	26.5
15	26.5	26.0	26.0	29.5	29.0	29.5	29.5	29.0	29.0	26.5	26.5	26.5
16	26.5	26.0	26.5	30.0	29.5	29.5	29.5	29.5	29.5	26.5	26.0	26.5
17	26.5	26.0	26.5	30.0	29.5	30.0	29.5	29.5	29.5	26.0	25.5	26.0
18	26.5	26.5	26.5	30.5	30.0	30.0	29.5	29.0	29.0	25.5	25.0	25.0
19	26.5	26.5	26.5	30.5	30.0	30.5	29.0	28.5	28.5	25.0	24.5	24.5
20	26.5	26.5	26.5	31.0	30.5	30.5	28.5	28.0	28.0	24.5	24.0	24.0
21	26.5	26.5	26.5	31.0	30.5	30.5	28.0	27.5	27.5	24.0	23.5	23.5
22	27.0	26.5	26.5	31.0	30.5	31.0	27.5	27.0	27.5	23.5	23.5	23.5
23	27.0	26.5	27.0	31.0	31.0	31.0	27.0	27.0	27.0	24.0	23.5	23.5
24	27.0	26.5	27.0	31.0	31.0	31.0	27.5	27.0	27.0	24.0	23.5	23.5
25	27.0	27.0	27.0	31.0	31.0	31.0	28.0	27.5	27.5	23.5	23.5	23.5
26	27.0	27.0	27.0	31.0	31.0	31.0	28.0	27.5	28.0	23.5	23.5	23.5
27	27.0	26.5	26.5	31.0	31.0	31.0	28.0	28.0	28.0	24.0	23.5	23.5
28	27.0	26.5	26.5	31.0	30.0	30.5	28.0	28.0	28.0	24.0	23.5	24.0
29	27.0	26.5	27.0	30.0	30.0	30.0	28.0	27.5	28.0	24.0	24.0	24.0
30	27.0	27.0	27.0	30.0	29.0	29.5	28.0	27.5	28.0	24.0	24.0	24.0
31	---	---	---	29.0	28.5	29.0	28.0	28.0	28.0	---	---	---

BIG BLACK RIVER BASIN

07289350 BIG BLACK RIVER AT WEST, MS

LOCATION.--Lat 33°11'39", long 89°46'15", in NW¼ sec.3, T.15 N., R.5 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, near left bank on downstream side of bridge on State Highway 19, 0.2 mi (0.3 km) east of West, 5.2 mi (8.4 km) upstream from Jordan Creek, and 7.1 mi (11.4 km) downstream from Zilpha Creek.

DRAINAGE AREA.--985 mi² (2,551 km²).

PERIOD OF RECORD.--September 1971 to current year. July 1936 to December 1946 and January 1947 to 1971 (gage heights and occasional discharge measurements) in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 249.74 ft (76.121 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to June 10, 1948, nonrecording gage; and June 10, 1948, to Nov. 2, 1967, recorder at site about 2,000 ft (610 m) downstream at same datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--10 years, 1,645 ft³/s (46.59 m³/s), 22.68 in/yr (576 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 57,700 ft³/s (1,630 m³/s) Mar. 16, 1973, gage height, 25.11 ft (7.654 m); minimum, 38 ft³/s (1.08 m³/s) Oct. 27, Nov. 1, 2, gage height, 1.52 ft (0.463 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 30, 1951, reached a stage of 24.09 ft (7.343 m), 47,000 ft³/s (1,330 m³/s) at site about 2,000 ft (610 m) downstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,800 ft³/s (249 m³/s) Apr. 2, gage height, 19.03 ft (5.800 m), no peak above base of 10,000 ft³/s (283 m³/s); minimum, 34.8 ft³/s (0.99 m³/s) Sept. 30, gage height, 1.52 ft (0.463 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	452	277	415	175	704	311	5370	168	250	472	56	159
2	309	207	309	170	2430	796	8160	165	218	1980	52	120
3	198	176	263	167	2600	870	7990	163	256	1570	54	416
4	139	159	234	165	2250	1320	6100	160	412	972	51	717
5	108	147	216	162	2160	2620	4310	158	410	545	69	785
6	90	137	208	163	2190	2780	3260	158	419	443	94	384
7	81	129	199	305	1500	2510	2030	157	1120	376	83	155
8	77	124	195	403	730	2580	792	158	1200	265	61	92
9	76	122	230	383	529	2700	531	158	1070	193	55	69
10	77	122	717	301	550	1990	449	255	755	149	55	61
11	77	120	956	247	1050	843	399	259	452	121	57	56
12	73	119	896	215	1150	645	359	179	918	105	52	52
13	70	119	577	199	1120	459	325	171	610	96	46	52
14	68	124	384	183	779	412	297	169	388	90	43	92
15	66	125	306	189	562	380	270	169	301	85	40	99
16	66	150	266	194	523	377	244	168	240	81	38	101
17	97	214	249	187	543	413	253	188	210	78	37	104
18	613	588	235	178	632	447	264	242	185	74	36	130
19	507	722	222	169	703	401	272	1010	163	71	37	89
20	385	550	206	181	617	359	242	1500	147	69	45	66
21	227	345	199	475	507	329	265	1190	132	66	46	56
22	154	258	184	669	432	449	228	675	120	65	44	49
23	120	234	180	602	384	678	201	360	112	63	42	46
24	210	291	185	432	352	744	269	265	108	64	41	44
25	315	301	191	347	320	600	333	257	103	65	41	41
26	295	333	192	297	296	442	311	257	99	63	41	42
27	376	1030	188	271	277	363	239	459	96	63	39	41
28	1660	1230	184	257	268	329	191	861	93	84	38	40
29	1470	1080	179	242	---	372	179	689	91	83	42	37
30	922	694	178	227	---	2610	170	395	98	70	50	36
31	471	---	176	214	---	5910	---	301	---	61	90	---
TOTAL	9849	10227	9319	8369	26158	36039	44303	11464	10776	8582	1575	4231
MEAN	318	341	301	270	934	1163	1477	370	359	277	50.8	141
MAX	1660	1230	956	669	2600	5910	8160	1500	1200	1980	94	785
MIN	66	119	176	162	268	311	170	157	91	61	36	36
CFSM	.32	.35	.31	.27	.95	1.18	1.50	.38	.36	.28	.05	.14
IN.	.37	.39	.35	.32	.99	1.36	1.67	.43	.41	.32	.06	.16
CAL YR 1980	TOTAL	753140	MEAN	2058	MAX	23800	MIN	55	CFSM	2.09	IN	28.44
WTR YR 1981	TOTAL	180892	MEAN	496	MAX	8160	MIN	36	CFSM	.50	IN	6.83

07290000 BIG BLACK RIVER NEAR BOVINA, MS
(National stream-quality accounting network station)

LOCATION.--Lat 32°20'51", long 90°41'48", in NW¼SE¼ sec.22, T.16 N., R.5 E., Washington Meridian, Hinds County, Hydrologic Unit 08060202, on left bank at downstream side of bridge on U.S. Highway 80 (old), 300 ft (91 m) upstream from Clear Creek, 0.4 mi (0.6 km) upstream from Illinois Central Railroad bridge, 2.3 mi (3.7 km) east of Bovina, 10.8 mi (17.4 km) upstream from Fourteenmile Creek, and at mile 61.7 (99.3 km). Records include flow of Clear Creek.

DRAINAGE AREA.--2,810 mi² (7,280 km²), approximately (includes that of Clear Creek).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1936 to current year. Prior to October 1938 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WRD Miss. 1968: 1966-67. WDR MS-79-1: 1978(M).

GAGE.--Water-stage recorder and supplemental nonrecording gage read twice daily. Datum of gage is 84.93 ft (25.887 m) National Geodetic Vertical Datum of 1929 or 85.00 ft (25.908 m) above mean Gulf level (levels by Corps of Engineers). Prior to Oct. 23, 1941, nonrecording gage at same site and datum.

REMARKS.--Records good below 12.0 ft and above 32.0 ft and fair between.

AVERAGE DISCHARGE.--45 years, 3,667 ft³/s (104 m³/s); 17.72 in/yr (450 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 83,300 ft³/s (2,360 m³/s) Apr. 16, 1979, gage height, 40.56 ft (12.363 m); minimum, 65 ft³/s (1.84 m³/s) Oct. 2, 1954, gage height, 5.98 ft (1.823 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--From information by local residents, floods at Askews Bridge, 6 mi (10 km) upstream, reached elevations NGVD as follows: Dec. 20, 1961, 139.2 ft (42.43 m); in 1912 and in January 1927, 139 ft (42.4 m); Apr. 1, 1951, 138.5 ft (42.21 m). A flood in May 1930, reached about the same elevation as that of Apr. 1, 1951, at Askews Bridge.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,000 ft³/s (538 m³/s) Apr. 6, gage height, 33.77 ft (10.293 m); minimum, 121 ft³/s (3.43 m³/s) Oct. 1, minimum gage height, 6.19 ft (1.887 m).

PROVISIONAL DATA

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	121	7250	2370	494	1050	950	11900	711	1110	1270	257	218
2	121	7160	1890	484	2600	1910	12300	655	1080	9340	232	2120
3	128	5670	1540	478	4540	1910	13100	608	996	8710	232	2450
4	178	2440	1220	472	5420	4560	15400	574	972	7180	229	1840
5	292	1170	976	469	5520	8690	18100	553	1250	5760	557	1860
6	376	844	826	481	5370	8820	18900	553	1960	4330	615	1520
7	355	690	733	564	4480	8480	17700	530	2460	2880	431	885
8	300	594	669	594	3370	8210	15700	503	3380	1980	320	808
9	256	533	642	655	2890	7820	13700	490	4350	1480	294	862
10	223	490	645	769	2700	7560	11900	621	4210	1190	249	740
11	196	456	744	848	2840	7050	10500	669	3690	931	235	584
12	176	425	1150	837	3410	5140	8240	601	3070	754	249	469
13	161	401	1700	790	3660	3500	4020	510	2520	635	240	726
14	151	386	1670	722	3100	2450	1940	494	2290	550	221	862
15	140	380	1510	659	2350	1730	1510	536	2690	490	208	642
16	136	380	1320	608	2000	1390	1320	729	2170	441	198	462
17	138	570	1090	567	1730	1240	1190	848	1420	404	188	557
18	328	553	904	543	1480	1130	1090	690	1010	377	188	704
19	549	649	790	526	1400	1040	1010	2600	816	362	181	718
20	1140	927	715	543	1380	976	942	5040	686	359	168	601
21	898	984	655	577	1350	969	889	5740	594	335	159	459
22	628	965	618	591	1340	1020	855	6060	516	312	153	380
23	643	980	587	652	1300	1070	841	6030	490	291	144	347
24	610	912	567	772	1190	1270	812	5510	478	274	148	320
25	673	816	543	923	1090	1740	783	3270	413	263	148	291
26	906	852	523	1040	988	1640	765	6520	434	249	153	266
27	1250	1310	519	1010	915	1440	726	4840	456	235	153	243
28	5080	1830	516	908	855	1320	704	2280	513	235	161	224
29	6620	2720	523	812	---	1380	736	1420	469	359	161	211
30	7120	2840	516	751	---	8000	747	1130	389	368	153	201
31	7200	---	506	704	---	10500	---	980	---	297	150	---
TOTAL	37093	46177	29177	20843	70318	114905	188320	62295	46882	52641	7175	22570
MEAN	1197	1539	941	672	2511	3707	6277	2010	1563	1698	231	752
MAX	7200	7250	2370	1040	5520	10500	18900	6520	4350	9340	615	2450
MIN	121	380	506	469	855	950	704	490	389	235	144	201
CFSM	.43	.55	.34	.24	.89	1.32	2.23	.72	.56	.60	.08	.27
IN.	.49	.61	.39	.28	.93	1.52	2.49	.82	.62	.70	.09	.30

CAL YR 1980 TOTAL 2293123 MEAN 6265 MAX 48500 MIN 117 CFSM 2.23 IN 30.36
WTR YR 1981 TOTAL 698396 MEAN 1913 MAX 18900 MIN 121 CFSM .68 IN 9.25

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1962-63, 1972-73, 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1975 to September 1981 (discontinued).
WATER TEMPERATURE: July 1975 to September 1981 (discontinued).

REMARKS.--Water temperature is determined by a local observer; also, a water sample is collected for daily specific conductance.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 1200 micromhos Nov. 3, 1979; minimum daily, 23 micromhos, Apr. 20, 1979.

WATER TEMPERATURE: Maximum daily 32.0°C July 6, 1977, July 1, 2, 9, 1978; minimum daily, 2.0°C Jan. 19-20, 1977, Jan. 15, 1979.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 336 micromhos Oct. 2, 1961; minimum, 44 micromhos Jan. 16, 1973.

WATER TEMPERATURE: Maximum, 29.5°C July 3, 1975; minimum, 6.5°C Jan. 16, 1973.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 800 micromhos Jan. 10; minimum daily, 45 micromhos Nov. 1-2.

WATER TEMPERATURE: Maximum daily, 33.0°C July 25; minimum daily, 4.0°C Jan. 17-19.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCUCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
OCT 07...	1230	352	172	7.6	19.0	3.5	8.6	120	K46	48	6.0	11
NOV 04...	1530	2020	72	6.8	14.0	50	7.8	120	K54	16	.00	3.6
DEC 03...	1500	1490	100	6.7	10.0	4.3	9.0	200	K23	22	5.0	5.0
JAN 07...	1500	601	200	7.6	6.5	10	11.8	K43	<20	56	9.0	13
FEB 04...	1500	5480	93	6.7	8.0	130	10.0	1100	400	18	8.0	3.9
MAR 03...	1500	1890	135	6.9	14.0	4.5	8.1	K6500	K5500	34	11	8.1
APR 01...	1600	12000	60	6.3	19.0	300	8.0	960	K190	20	.00	4.9
MAY 06...	1230	543	173	7.8	23.5	5.8	5.9	K52	K26	51	4.0	12
JUN 04...	0830	953	130	7.1	26.5	55	7.1	270	500	39	1.0	9.4
JUN 29...	1230	459	145	7.3	29.5	35	6.5	940	390	47	.00	12
AUG 03...	1430	235	222	7.1	32.5	15	6.7	300	230	66	3.0	18
SEP 01...	1000	161	220	5.4	28.0	7.1	7.1	1200	200	75	1.0	18

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)
OCT 07...	4.9	15	39	.9	2.1	42	9.9	16	.2	5.8	102	91
NOV 04...	1.8	4.9	34	.5	3.4	16	5.8	5.6	.0	7.5	56	43
DEC 03...	2.4	7.0	36	.6	3.4	17	9.8	9.2	.1	12	83	60
JAN 07...	5.6	16	38	.9	1.9	47	9.0	21	.1	16	130	112
FEB 04...	1.9	9.4	48	1.0	3.4	10	11	11	.1	6.5	64	55
MAR 03...	3.4	11	39	.8	2.9	33	11	12	<.1	9.7	--	78
APR 01...	1.9	3.4	22	.3	4.4	20	5.0	5.8	.1	5.8	60	46
MAY 06...	5.0	14	36	.9	2.1	47	9.8	14	.1	15	114	100
JUN 04...	3.8	7.2	27	.5	2.6	38	9.5	8.1	.1	12	89	76
JUN 29...	4.2	11	32	.7	3.5	49	6.0	13	.1	13	94	93
AUG 03...	5.1	18	36	1.0	2.5	63	9.6	24	.2	7.9	139	123
SEP 01...	7.3	16	31	.8	2.3	74	11	18	.2	9.0	133	127

BIG BLACK RIVER BASIN

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07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED TOTAL (MG/L AS N)
OCT 07...	.14	96.9	.03	.09	.000	.100	.00	.13	.79	.44	.79	.25
NOV 04...	.08	365	.17	.21	.120	.110	.15	.14	.55	.15	.67	.41
DEC 03...	.11	334	.23	.18	.100	.090	.12	.12	.69	.22	.79	.48
JAN 07...	.18	211	.11	.12	.010	.020	.01	.03	.29	.13	.30	.15
FEB 04...	.09	947	.42	.46	.150	.220	.18	.28	1.7	.45	1.80	1.1
MAR 03...	.11	398	.34	.41	.140	.160	.17	.21	.86	.68	1.00	.16
APR 01...	.08	1940	--	.49	.320	.380	.39	.49	2.7	2.2	3.00	.00
MAY 06...	.16	167	.02	.02	.020	.050	.02	.06	.52	.37	.54	.12
JUN 04...	.12	229	.04	.07	.040	.040	.05	.05	.56	.64	.60	.00
29...	.13	116	.26	.05	.140	.060	.17	.08	.79	.32	.93	.55
AUG 03...	.19	88.2	.14	.05	.040	.030	.05	.04	.39	.34	.43	.06
SEP 01...	.18	57.8	.04	.09	.030	.050	.04	.06	.47	.40	.50	.05
	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	
OCT 07...	.54	.82	3.6	.080	.25	.040	--	--	79	75	91	
NOV 04...	.26	.84	3.7	.340	1.0	.040	9.7	1800	178	971	96	
DEC 03...	.31	1.0	4.5	.240	.74	.060	7.5	--	180	724	95	
JAN 07...	.15	.41	1.8	.180	.55	.090	--	--	90	146	95	
FEB 04...	.67	2.2	9.8	.840	2.6	.070	12	--	857	12700	100	
MAR 03...	.84	1.3	5.9	.260	.80	.070	10	16000	437	2230	98	
APR 01...	2.6	--	--	1.00	3.1	.090	--	--	1210	39200	99	
MAY 06...	.42	.56	2.5	.100	.31	.030	4.5	46000	146	214	81	
JUN 04...	.68	.64	2.8	.230	.71	.060	6.9	38000	121	311	93	
29...	.38	1.2	5.3	.290	.89	.040	--	30000	241	299	90	
AUG 03...	.37	.57	2.5	.140	.43	.020	6.8	130000	114	72	69	
SEP 01...	.45	.54	2.4	.130	.40	.040	4.1	33000	67	29	95	

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BARIIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDE RECOV- ERABLE (UG/L AS CR)
OCT 07...	2	1	1	200	200	40	5	0	5	10	--
JAN 07...	2	1	1	<50	--	50	0	0	0	20	10
APR 01...	0	0	0	400	300	100	0	0	0	50	--
JUN 29...	5	1	4	100	50	50	1	--	<1	20	10

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDE RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT 07...	<10	0	0	0	7	2	5	1700	1700	40	4
JAN 07...	10	0	0	0	4	3	1	3400	3200	200	12
APR 01...	<10	7	7	0	19	13	6	28000	28000	390	27
JUN 29...	10	2	2	0	6	0	6	7200	7100	110	18

DATE	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
OCT 07...	2	2	220	180	40	.4	.2	.2	3	3	0
JAN 07...	12	0	290	30	260	.5	.3	.2	7	2	5
APR 01...	27	0	960	850	110	.4	.0	.4	33	28	5
JUN 29...	18	0	370	250	120	.6	.0	.6	3	0	3

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)
OCT 07...	0	0	0	--	--	--	20	20	2	2.7	1.9
JAN 07...	0	0	0	0	0	0	20	20	0	2.7	1.4
APR 01...	0	0	0	0	0	0	100	80	20	7.5	4.0
JUN 29...	0	0	0	0	0	0	140	130	10	4.6	2.3

BIG BLACK RIVER BASIN

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07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

DATE TIME	NOV 4, 80 1530	MAR 3, 81 1500	MAY 6, 81 1230	JUN 4, 81 0830				
TOTAL CELLS/ML	1800	16000	46000	38000				
DIVERSITY: DIVISION	1.3	1.0	1.2	1.0				
...CLASS	1.3	1.0	1.2	1.0				
...ORDER	2.4	1.4	1.4	1.0				
...FAMILY	2.5	2.7	2.6	2.1				
...GENUS	2.6	3.0	3.4	2.5				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
PACILLARIOPHYTA (DIATOMS)								
..BACILLARIOPHYCEAE								
...ACHNANTHALES								
...ACHNANTHACEAE								
...ACHNANTHES	27	2	--	-	--	-	--	-
..BACILLARIALES								
...NITZSCHIAEAE								
...NITZSCHIA	14	1	160	1	1300	3	*	0
..EUPODISCALES								
...COSCINODISCAEAE								
...CYCLOTELLA	--	-	260	2	1100	2	400	1
...MELOSIRA	190	11	--	-	270	1	*	0
..FRAGILARIALES								
...FRAGILARIAEAE								
...SYNEDRA	--	-	420	3	270	1	*	0
..NAVICULALES								
...CYMBELLACEAE								
...CYMBELLA	14	1	--	-	--	-	--	-
...GOMPHONEMACEAE								
...GOMPHONEMA	--	-	--	-	--	-	--	-
...NAVICULACEAE								
...GYROSIGMA	14	1	--	-	--	-	--	-
...NAVICULA	--	-	--	-	*	0	*	0
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
...CHLOROCOCCACEAE								
...SCHROEDERIA	--	-	160	1	--	-	--	-
...TETRAEDRON	--	-	--	-	--	-	--	-
...DICTYOSPHAERIAEAE								
...DICTYOSPHAERIUM	110	6	2100	13	12000#	26	16000#	42
...WESTELLA	--	-	--	-	--	-	200	1
...MICRACTINIAEAE								
...GOLENKINIA	--	-	310	2	--	-	--	-
...MICRACTINIUM	--	-	630	4	270	1	2400	6
...OOCYSTACEAE								
...ANKISTRODESMUS	--	-	100	1	2100	5	500	1
...CHODATFLLA	--	-	100	1	*	0	--	-
...CLOSTERIOPSIS	--	-	--	-	--	-	--	-
...FRANCEIA	--	-	--	-	--	-	--	-
...KIRCHNERIELLA	--	-	--	-	3500	8	--	-
...NEPHROCITIUM	--	-	--	-	--	-	--	-
...OOCYSTIS	--	-	--	-	--	-	--	-
...QUADRIGULA	--	-	--	-	1600	4	--	-
...SELENASTRUM	--	-	1900	12	--	-	--	-
...TREURARIA	--	-	--	-	540	1	--	-
...SCENEDESMACEAE								
...ACTINASTRUM	--	-	--	-	6900	15	4800	13
...COELASTRUM	--	-	--	-	--	-	2100	5
...CRUCIGENIA	55	3	--	-	4600	10	--	-
...GLOEDACTINIUM	--	-	--	-	1100	2	--	-
...SCENEDESMUS	140	8	5800#	37	270	1	1900	5
...TETRASTRUM	--	-	630	4	--	-	--	-
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
...CARTERIA	--	-	--	-	--	-	--	-
...CHLAMYDOMONAS	--	-	100	1	400	1	200	1
...PHACOTACEAE								
...PTEROMONAS	--	-	--	-	--	-	*	0
..ZYGNEATALES								
...DESMIDIACEAE								
...SPONDYLIUM	--	-	--	-	--	-	--	-
...STAUPASTRUM	--	-	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

DATE TIME	NOV 4, 80 1530		MAR 3, 81 1500		MAY 6, 81 1230		JUN 4, 81 0830	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCEALES								
...CHROOCOCCEACEAE								
....AGMERMELIUM	--	-	--	-	--	-	--	-
....ANACYSTIS	760#	42	940	6	6700	15	8600#	23
....GOMPHOSPHERIA	--	-	--	-	--	-	--	-
...NOSTOCALFS								
...HAMMATOIDACEAE								
....RAPHIOTOPSIS	--	-	210	1	--	-	--	-
...NOSTOCACEAE								
....ANABAENA	210	11	--	-	--	-	--	-
...OSCILLATORIALES								
...OSCILLATORIA	270#	15	1700	11	1300	3	--	-
EUGLENOPHYTA (EUGLENOIDS)								
..EUGLENOPHYCEAF								
...EUGLENALES								
...EUGLENACEAE								
....EUGLENA	--	-	--	-	--	-	*	0
....PHACUS	--	-	--	-	--	-	*	0
....TRACHELOMONAS	14	1	*	0	1100	2	--	-

NOTE: # = DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* = OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

BIG BLACK RIVER BASIN

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07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

DATE	JUN 29, 81	AUG 3, 81	SEP 1, 81
TIME	1230	1430	1000
TOTAL CELLS/ML	30000	130000	33000
DIVERSITY: DIVISION	1.3	0.9	1.6
..CLASS	1.3	0.9	1.6
..ORDER	1.6	0.9	1.8
...FAMILY	2.2	1.0	2.1
....GENUS	2.8	1.6	2.6

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)						
..BACILLARIOPHYCEAE						
...ACHNANTHALES						
....ACHNANTHACEAE						
.....ACHNANTHES	*	0	--	-	--	-
...BACILLARIALES						
....NITZSCHIAEAE						
.....NITZSCHIA	190	1	*	0	390	1
...EUPODISCALES						
....COSCINODISCAEAE						
.....CYCLOTELLA	610	2	--	-	1400	4
....MELOSIRA	190	1	11000	8	12000#	35
...FRAGILARIALES						
....FRAGILARIAEAE						
.....SYNEDRA	--	-	--	-	--	-
...NAVICULALES						
....CYMBELLAEAE						
.....CYMBELLA	--	-	--	-	--	-
...GOMPHONEMACEAE						
....GOMPHONEMA	*	0	--	-	--	-
...NAVICULACEAE						
....GYROSIGMA	--	-	--	-	*	0
....NAVICULA	*	0	*	0	--	-
CHLOROPHYTA (GREEN ALGAE)						
..CHLOROPHYCEAE						
...CHLOROCOCCALES						
....CHLOROCOCCACEAE						
.....SCHROEDERIA	--	-	--	-	--	-
....TETRAEDRON	--	-	--	-	*	0
...DICTYOSPHAERIAEAE						
....DICTYOSPHAERIUM	3400	12	7000	5	6100#	19
....WESTELLA	--	-	--	-	--	-
...MICRACTINIACEAE						
....GOLENKINIA	--	-	--	-	--	-
....MICRACTINIUM	750	2	--	-	190	1
...OOCYSTACEAE						
....ANKISTRODESMUS	280	1	*	0	--	-
....CHODATELLA	--	-	--	-	--	-
....CLOSTERIOPSIS	*	0	--	-	--	-
....FRANCEIA	--	-	*	0	--	-
....KIRCHNERIELLA	--	-	*	0	--	-
....NEPHROCITIUM	--	-	1900	1	--	-
....OOCYSTIS	280	1	--	-	--	-
....QUADRIGULA	--	-	--	-	--	-
....SELENASTRUM	840	3	--	-	--	-
....TREUBARIA	--	-	--	-	*	0
...SCENEDESMACEAE						
....ACTINASTRUM	5000#	17	--	-	--	-
....COELASTRUM	--	-	--	-	--	-
....CRUCIGENIA	560	2	--	-	--	-
....GLOEOACTINIUM	--	-	--	-	--	-
....SCENEDESMUS	1100	4	2600	2	1900	6
....TETRASTRUM	190	1	--	-	780	2
...VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CARTERIA	--	-	--	-	190	1
....CHLAMYDOMONAS	190	1	*	0	290	1
...PHACOTACEAE						
....PTEROMONAS	--	-	--	-	--	-
...ZYGNEMATALES						
....DESMIDIACEAE						
....SPONDYLIUM	--	-	*	0	--	-
....STAUSTRUM	--	-	*	0	190	1

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

CONTINUED ...

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

DATE TIME	JUN 29, 81 1230		AUG 3, 81 1430		SEP 1, 81 1000	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
...CHROOCOCCALES						
...CHROOCOCCACEAE						
....AGMENELLUM	750	2	6600	5	1600	5
....ANACYSTIS	14000#	46	97000#	72	7900#	24
....GOMPHOSPHERIA	--	-	7000	5	--	-
...NOSTOCALES						
...HAMMATOIDEACEAE						
...RAPHIDIOPSIS	--	-	--	-	--	-
...NOSTOCACEAE						
....ANAHAFNA	--	-	--	-	--	-
...OSCILLATORIALES						
...OSCILLATORIA	1100	4	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)						
..EUGLENOPHYCEAE						
...EUGLENALES						
...EUGLENACEAE						
....EUGLENA	*	0	--	-	*	0
....PHACUS	*	0	--	-	--	-
....TRACHELOMONAS	190	1	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	175	45	81	143	113	112	74	150	118	220	250	190
2	175	45	75	140	125	230	67	150	110	130	210	175
3	185	51	80	140	145	170	60	150	120	250	220	400
4	185	65	75	140	93	160	58	150	140	85	170	110
5	175	70	80	130	73	135	50	170	120	70	210	80
6	170	70	85	130	65	97	50	160	100	70	200	90
7	150	80	87	160	70	90	48	155	100	160	120	80
8	140	85	95	180	70	78	52	155	120	90	490	75
9	130	92	95	160	70	75	54	160	75	90	280	95
10	110	95	105	800	68	75	60	160	60	95	200	95
11	119	105	120	160	90	80	66	180	60	120	190	95
12	120	107	125	140	85	95	70	165	75	130	210	100
13	125	110	110	120	85	95	95	170	100	130	200	140
14	119	118	110	112	75	98	105	290	85	150	200	95
15	120	120	85	110	75	110	115	200	85	150	210	200
16	122	127	75	110	85	120	125	180	80	200	270	200
17	130	129	80	120	90	130	125	170	80	---	220	180
18	130	123	80	120	80	135	125	140	90	260	220	300
19	185	140	---	120	95	140	135	150	110	230	220	125
20	135	140	---	120	100	150	130	115	120	240	220	115
21	120	125	105	130	110	150	140	80	140	310	210	125
22	130	110	110	145	100	155	135	67	140	340	205	120
23	95	97	130	145	95	170	145	52	150	320	205	130
24	115	---	130	180	95	170	150	56	150	270	210	---
25	125	95	140	160	97	170	160	62	180	320	220	---
26	90	97	135	130	100	165	160	83	180	350	220	---
27	170	121	140	115	110	135	165	87	180	300	220	---
28	105	93	150	100	112	130	170	110	180	280	220	---
29	78	95	145	110	---	105	165	87	160	250	220	---
30	56	97	160	110	---	135	160	105	170	240	220	---
31	50	---	165	110	---	87	---	110	---	220	220	---

BIG BLACK RIVER BASIN

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07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.0	13.0	8.0	8.0	---	15.5	19.0	24.0	26.0	24.5	30.0	28.5
2	22.5	12.0	10.0	6.5	---	14.0	19.0	24.5	26.5	24.0	30.0	26.0
3	21.0	12.5	8.5	6.0	---	13.5	20.0	23.0	27.0	24.0	30.0	25.5
4	19.0	13.0	8.5	6.0	7.5	15.0	20.0	24.0	27.0	25.5	30.0	25.0
5	19.0	13.0	9.0	6.0	6.0	14.0	19.5	22.5	27.0	26.5	30.5	25.0
6	18.0	13.5	12.0	7.0	6.0	14.0	19.5	22.0	25.0	25.5	30.5	25.5
7	18.0	14.5	11.0	6.5	6.0	13.0	19.0	21.5	25.5	25.5	29.0	26.0
8	17.5	15.5	12.0	5.5	6.0	12.5	19.5	22.5	26.0	27.0	31.0	25.5
9	18.5	17.5	14.0	6.0	6.0	12.0	20.0	21.5	26.5	28.0	29.5	25.0
10	19.5	17.0	12.0	---	8.0	12.0	20.0	21.0	26.5	27.5	27.0	23.0
11	20.0	16.0	9.5	---	6.0	12.0	20.5	20.5	27.0	31.0	28.5	24.0
12	19.0	15.5	10.0	---	5.5	12.0	21.5	21.0	27.5	28.0	29.0	26.0
13	18.0	15.0	9.5	---	6.5	12.5	21.5	22.5	27.5	30.0	29.5	25.0
14	17.0	16.0	9.5	4.5	6.5	12.5	22.5	21.5	28.5	30.0	30.0	24.5
15	17.0	16.5	8.5	4.5	7.0	13.5	22.0	22.0	28.0	31.0	31.5	25.5
16	19.0	15.0	9.5	5.0	7.5	13.5	22.0	23.5	28.5	31.0	30.0	25.0
17	20.5	14.5	9.0	4.0	9.0	13.0	23.0	20.0	27.5	---	30.5	24.0
18	21.0	12.5	8.5	4.0	9.5	15.0	23.5	22.5	28.0	32.0	30.5	22.5
19	21.0	11.0	---	4.0	10.0	13.0	24.0	21.0	29.0	32.5	30.5	21.5
20	19.5	9.5	---	5.0	11.5	12.5	24.5	19.5	30.0	30.0	29.5	21.5
21	18.5	9.5	5.5	5.0	11.5	12.5	24.5	19.5	30.0	31.5	28.5	22.5
22	18.0	11.0	5.5	5.5	13.5	14.5	25.0	20.5	30.0	31.0	28.5	23.0
23	18.5	11.0	8.5	6.0	12.5	13.5	25.0	21.0	30.0	31.5	27.5	24.0
24	20.0	10.5	8.5	6.5	12.0	13.0	25.0	22.0	30.0	32.0	27.5	---
25	17.5	10.5	6.0	8.0	13.5	13.5	25.0	22.5	29.5	33.0	28.0	---
26	16.5	10.0	7.0	9.5	14.5	13.5	26.0	22.0	29.5	32.0	28.0	---
27	17.0	9.0	7.0	7.5	14.5	14.5	22.5	22.5	28.5	32.5	28.0	---
28	17.5	8.5	6.0	10.0	14.5	17.0	23.0	24.0	28.5	31.0	28.5	---
29	16.5	8.5	5.5	8.0	---	17.5	25.0	26.0	28.5	31.5	28.5	---
30	15.0	7.5	6.5	---	---	16.5	24.0	26.0	29.0	30.5	29.0	---
31	13.5	---	6.5	---	---	17.0	---	26.0	---	29.5	29.5	---

BAYOU PIERRE BASIN

07290650 BAYOU PIERRE NEAR WILLOWS, MS

LOCATION.--Lat 32°00'55", long 90°53'00", in lot 16, T.12 N., R.3 E., Washington Meridian, Claiborne County, Hydrologic Unit 08060203, near right bank at downstream side of bridge on county highway, 1.4 mi (2.3 km) upstream from South Fork Bayou Pierre, and 1.7 mi (2.7 km) southeast of Willows.

DRAINAGE AREA.--653 mi² (1,691 km²).

PERIOD OF RECORD.--Annual maximums, water years 1959-61. June 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 82.34 ft (25.096 m) National Geodetic Vertical Datum of 1929. Sept. 9, 1958, to May 31, 1961, crest-stage gage at same site and datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--20 years, 888 ft³/s (25.15 m³/s), 18.47 in/yr (469 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 63,800 ft³/s (1,810 m³/s) Apr. 13, 1980, gage height, 28.16 ft (8.583 m); minimum discharge, 19 ft³/s (0.54 m³/s) Oct. 6, 1969; minimum gage height, 2.17 ft (0.661 m) Nov. 4, 5, 6, 1971.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,400 ft³/s (493 m³/s) Mar. 5, gage height, 20.77 ft (6.331 m), only peak above base of 15,000 ft³/s (425 m³/s); minimum, 41 ft³/s (1.16 m³/s) Sept. 30, gage height, 2.60 ft (0.792 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	212	102	215	113	559	263	1460	92	372	391	68	148
2	120	91	190	111	2210	579	1530	87	299	7680	64	265
3	87	86	170	109	955	326	724	85	543	3000	60	891
4	73	82	150	107	451	5990	468	80	613	1450	58	349
5	64	78	140	106	299	8990	5000	76	505	880	56	158
6	59	74	132	120	736	3040	1500	80	524	800	55	116
7	57	74	125	370	1350	1430	700	81	1160	517	54	100
8	57	73	120	341	732	634	400	100	425	311	137	91
9	57	72	500	247	445	465	300	90	328	237	142	86
10	56	72	1200	176	1810	378	250	1000	247	195	75	81
11	55	71	700	147	2020	326	200	1470	226	171	65	78
12	53	70	450	131	912	292	180	433	866	157	58	70
13	52	68	350	122	474	269	160	220	759	145	53	65
14	52	68	250	123	362	249	140	228	410	132	53	76
15	52	1130	200	122	314	230	125	442	271	120	52	232
16	52	402	180	119	297	222	115	356	193	111	51	311
17	57	234	162	113	297	202	108	306	200	106	52	147
18	1520	339	148	109	292	193	104	206	155	102	65	99
19	903	254	140	110	274	181	100	11500	137	102	57	78
20	351	176	131	142	243	169	96	2410	117	98	61	63
21	181	132	125	241	222	169	93	576	107	94	55	57
22	120	117	120	216	210	537	90	336	103	90	52	53
23	96	354	120	189	202	851	180	247	98	86	50	51
24	119	1020	123	158	195	453	160	200	106	81	49	48
25	333	559	122	143	185	295	110	183	165	80	47	47
26	162	459	119	135	172	239	95	5030	998	81	46	46
27	109	2180	122	129	164	210	88	1490	651	95	45	45
28	380	990	117	129	157	191	84	669	274	196	45	45
29	326	413	114	183	---	2020	82	367	193	125	52	44
30	241	260	114	191	---	4630	95	271	131	91	137	42
31	134	---	113	150	---	1490	---	290	---	75	391	---
TOTAL	6190	10140	6962	4902	16539	35553	14737	29001	11176	17799	2305	3982
MEAN	200	338	225	158	591	1147	491	936	373	574	74.4	133
MAX	1520	2180	1200	370	2210	8990	5000	11500	1160	7680	391	891
MIN	52	68	113	106	157	169	82	76	98	75	45	42
CFSM	.31	.62	.35	.24	.91	1.76	.75	1.43	.57	.88	.11	.20
IN.	.35	.58	.40	.28	.94	2.03	.84	1.65	.64	1.01	.13	.23
CAL YR 1980	TOTAL	573307	MEAN	1566	MAX	45500	MIN	42	CFSM	2.40	IN	32.66
WTR YR 1981	TOTAL	159286	MEAN	436	MAX	11500	MIN	42	CFSM	.67	IN	9.07

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LOCATION.--Lat 31°30'10", long 90°46'35", in SE¼NE¼ sec.11, T.6 N., R.4 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, on left bank at upstream side of Illinois Central Gulf Railroad bridge, 900 ft (270 m) downstream from bridge on U.S. Highway 84, 0.4 mi (0.6 km) upstream from McCall Creek, and 0.8 mi (1.3 km) east of Eddiceton.

REVISED RECORDS.--WSP 1281: 1939-40, 1942-44, 1949-50.

REMARKS.--Records good, except for period of no gage height record, June 12-July2, July 11-21 and Sept. 19-30, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,400 ft³/s (1,570 m³/s) Apr. 13, 1974, gage height, 19.53 ft (5.95 m); minimum discharge, 26 ft³/s (0.74 m³/s) Sept. 10, 1952 (temporary regulation); minimum unregulated, 28 ft³/s (0.79 m³/s) Sept. 2. 4, 1954. Sept. 29, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 9,000 ft³/s (255 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Mar. 4	1700	11200	317	8.81	2.685	July 2	1245	*16400	464	11.10	3.382
Minimum daily discharge, 44 ft ³ /s (1.25 m ³ /s) Aug. 24-27; minimum gage height, 0.40 ft (0.122 m) all or parts of Oct. 10-15.											
a Observed at crest.											

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

CAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	55	73	65	121	81	486	72	102	55	55	115
2	54	54	69	63	436	83	290	64	102	6780	55	80
3	49	54	65	63	144	81	159	62	142	934	53	70
4	49	52	61	65	97	3680	139	60	145	310	57	66
5	47	52	61	63	95	1930	1250	68	139	256	55	62
6	47	52	61	69	963	519	310	72	142	212	53	58
7	47	52	59	107	366	250	162	66	861	152	52	57
8	67	52	57	86	177	208	127	62	251	113	62	57
9	47	52	257	73	126	169	110	60	133	94	57	55
10	47	52	741	69	860	142	97	2450	105	90	52	55
11	47	52	183	65	513	133	87	337	97	84	50	55
12	47	52	121	63	201	127	85	142	160	75	50	53
13	45	52	100	63	150	121	80	105	150	70	48	55
14	45	52	90	65	129	113	76	220	100	66	48	68
15	47	57	83	65	118	107	72	196	80	63	48	78
16	47	65	81	61	118	107	70	118	70	62	48	90
17	49	93	77	61	121	97	68	118	74	61	55	68
18	115	81	75	59	113	97	66	99	68	60	68	60
19	95	65	73	61	105	92	64	94	62	59	50	55
20	65	57	71	79	100	87	62	92	58	58	47	52
21	54	57	69	95	93	102	60	87	57	57	47	49
22	50	57	69	75	100	467	58	83	56	57	45	48
23	50	442	69	67	97	188	105	80	64	57	45	47
24	54	153	71	65	90	124	102	76	100	58	44	46
25	59	81	69	63	86	107	72	80	160	58	44	46
26	50	545	69	63	81	99	62	1940	250	57	44	45
27	129	513	67	63	81	94	60	305	100	58	44	45
28	326	150	67	77	79	92	58	159	70	85	124	45
29	86	97	67	71	---	110	70	127	55	64	53	46
30	67	81	65	63	---	801	85	113	52	66	83	48
31	57	---	65	63	---	242	---	105	---	58	270	---
TOTAL	2101	3329	3205	2130	5760	10690	4592	7712	4005	10329	1906	1774
MEAN	67.8	111	103	68.7	206	345	153	249	134	333	61.5	59.1
MAX	326	545	741	107	963	3680	1250	2450	861	6780	270	115
MIN	45	52	57	59	79	81	58	60	52	55	44	45
CFSM	.38	.62	.57	.38	1.14	1.92	.85	1.38	.74	1.85	.34	.33
IN.	.43	.69	.66	.44	1.19	2.21	.95	1.59	.83	2.13	.39	.37
CAL YR 1980	TOTAL	144332	MEAN	394	MAX	12100	MIN	45	CFSM	2.19	IN	29.83
WTR YR 1981	TOTAL	57533	MEAN	158	MAX	6780	MIN	44	CFSM	.88	IN	11.89

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO RIVER AT ROSETTA, MS
(National stream-quality accounting network station)

LOCATION.--Lat 31°19'30", long 91°06'24", in sec.12, T.4 N., R.1 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, near right bank, near downstream side of pier cap, under bridge, on State Highway 33 at Rosetta, 0.8 mi (1.3 km) downstream from Foster Creek, and 4.0 mi (6.4 km) upstream from Dry Creek.

DRAINAGE AREA.--750 mi² (1,940 km²), approximately.

WATER-DISCHARGE RECORD

PERIOD OF RECORD.--June to November 1906 (gage heights and discharge measurements only), October 1951 to current year. February 1949 to September 1951 (gage heights and discharge measurements only) in reports of Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WSP 1731: 1955(M). WSP 1920: 1955.

GAGE.--Water-stage recorder. Datum of gage is 94.39 ft (28.770 m) National Geodetic Vertical Datum of 1929. June 16 to Nov. 12, 1906, nonrecording gage at present site at different datum; December 1976 to April 1978, near right bank on downstream side of Illinois Central Railroad bridge, 800 ft (240 m) upstream and nonrecording gage read twice daily at present site, all at same datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--30 years, 1,103 ft³/s (31.24 m³/s), 19.97 in/yr (507 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 150,000 ft³/s (4,250 m³/s) Apr. 13, 1974, from rating curve extended above 47,000 ft³/s (1,330 m³/s); maximum gage height, 36.03 ft (10.982 m) May 4, 1953; minimum discharge, 129 ft³/s (3.65 m³/s) Sept. 22-25, 28-30, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since February 1949, 37.80 ft (11.521 m) Mar. 31, 1949, from reports of Corps of Engineers, Vicksburg district.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 16,000 ft³/s (453 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 4	1915	34900 988	18.20 5.547	July 2	1720	*61800 1750	b20.80 6.340
May 26	0600	20400 578	a15.9 4.85				

Minimum discharge, 169 ft³/s (4.79 m³/s) Aug. 27, gage height 6.69 ft (2.039 m).

- a From reconstructed graph
- b From gage reading at crest

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	613	417	591	403	608	766	2480	547	355	389	240	747
2	363	394	552	407	1680	786	1670	412	350	25200	237	479
3	314	381	515	398	1070	766	1070	381	520	6470	310	417
4	287	367	469	381	715	9050	867	363	608	2000	261	372
5	279	350	440	389	684	8040	1730	580	637	1470	268	294
6	268	350	440	417	1780	2950	1610	619	591	1380	237	283
7	272	355	440	525	2210	1850	867	489	740	982	220	247
8	276	350	431	574	1140	1400	709	417	1330	938	233	220
9	283	350	1720	469	881	1150	648	385	541	760	250	214
10	283	355	4640	440	2490	982	585	2210	431	637	214	214
11	279	350	1520	426	3400	895	531	2360	403	591	211	207
12	279	342	867	426	1400	812	494	760	888	591	211	211
13	290	334	715	431	1120	766	469	515	678	558	198	214
14	306	346	648	440	1020	721	445	489	596	455	223	227
15	310	376	585	445	982	678	421	715	417	445	214	310
16	310	421	558	431	975	721	403	608	376	398	204	563
17	314	459	515	417	997	631	394	819	372	394	217	385
18	1170	648	445	412	982	591	385	412	363	394	265	257
19	1330	464	417	421	938	563	367	367	359	394	265	223
20	563	407	381	525	916	531	350	440	350	372	204	233
21	403	389	385	648	874	568	342	440	350	294	198	237
22	363	398	435	536	881	2030	338	394	342	294	237	244
23	338	2810	450	489	888	1510	489	385	342	290	283	247
24	334	1540	459	474	832	881	2160	385	541	279	192	247
25	355	684	445	469	799	728	709	434	580	279	183	250
26	342	2110	407	455	779	648	469	8650	1550	279	183	250
27	381	3310	421	455	760	602	407	1760	881	272	183	247
28	2600	1150	417	474	760	568	376	839	525	330	180	250
29	945	760	385	484	---	602	381	510	421	355	334	254
30	515	648	398	469	---	3670	547	474	398	268	283	254
31	440	---	403	464	---	1980	---	389	---	290	417	---
TOTAL	15405	21655	21494	14194	32561	48436	22713	28548	16835	48048	7355	8797
MEAN	497	722	693	458	1163	1562	757	921	561	1550	237	293
MAX	2600	3310	4640	648	3400	9050	2480	8650	1550	25200	417	747
MIN	268	334	381	381	608	531	338	363	342	268	180	207
CFSM	.66	.96	.92	.61	1.55	2.08	1.01	1.23	.75	2.07	.32	.39
IN.	.76	1.07	1.07	.70	1.62	2.40	1.13	1.42	.84	2.38	.36	.44
CAL YR 1980 TOTAL	594193			1623	MAX 32800	MIN 236	CFSM 2.16	IN 29.47				
WTR YR 1981 TOTAL	286041			MEAN 784	MAX 25200	MIN 180	CFSM 1.05	IN 14.19				

HOMOCHITTO RIVER BASIN

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07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1958-59, 1967-68, 1970-71, 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 1975 to June 1979, March 1980 to September 1981 (discontinued).
WATER TEMPERATURE: February 1975 to June 1979, March 1980 to September 1981 (discontinued).

REMARKS.--Water temperature is determined by a local observer; also, a water sample is collected for daily specific conductance.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 180 micromhos Oct. 4, 1977, Aug. 5, 1978; minimum daily, 20 micromhos June 8, 1975.

WATER TEMPERATURE: Maximum daily, 38.0°C July 1, 1980; minimum daily 4.0°C Jan. 20, 1978.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 300 micromhos July 29, 1970; minimum daily, 22 micromhos Feb. 24, 1979.
WATER TEMPERATURE: Maximum, 33.0°C Sept. 9, 1970; minimum daily, 5.0°C Jan. 28, 1979.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 210 micromhos Nov. 17; minimum daily, 22 micromhos Feb. 17.
WATER TEMPERATURE: Maximum daily, 35.0°C July 24; minimum daily, 4.0°C Jan. 12.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FFCAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS NONCAR- BONATE (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	
OCT 09...	1300	283	86	7.1	21.5	2.5	7.6	120	K37	15	1.0	3.7	
NOV 04...	1200	368	90	7.1	17.0	3.2	9.5	100	K31	12	.00	2.8	
DEC 03...	1200	505	89	6.9	12.0	4.8	10.1	K37	K14	20	.00	4.9	
JAN 07...	1230	563	85	7.4	9.0	4.1	11.2	K51	K53	13	.00	3.1	
FEB 04...	1200	703	79	6.7	7.0	14	11.2	K66	K29	13	6.0	2.9	
MAR 03...	1100	766	90	7.1	14.5	.80	9.3	K74	K29	14	1.0	3.6	
APR 01...	1100	2490	52	6.4	20.5	86	8.8	K610	K65	11	4.0	2.6	
MAY 06...	1530	602	86	7.4	22.0	7.6	8.1	K760	120	13	3.0	3.4	
JUN 03...	1300	460	80	7.4	27.0	9.2	7.8	240	230	14	5.0	3.3	
JUL 01...	1400	376	83	7.4	30.0	6.2	7.7	150	K83	15	.00	3.7	
AUG 05...	1130	265	110	7.1	30.5	22	6.7	K66	K6	15	.00	3.6	
SEP 03...	1100	389	93	6.3	26.5	38	8.2	220	120	12	.00	2.7	
DATE		MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINEITY LAB (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)
OCT 09...	1.4	11	59	1.2	1.2	14	2.6	16	.1	16	64	62	
NOV 04...	1.2	10	61	1.3	1.4	16	1.6	16	.0	15	65	58	
DEC 03...	2.0	12	53	1.2	1.9	20	3.6	16	.0	15	63	68	
JAN 07...	1.3	10	60	1.2	1.1	17	2.4	16	.0	14	54	59	
FEB 04...	1.3	8.9	57	1.1	1.5	7.0	4.6	14	<.1	9.6	53	48	
MAR 03...	1.3	10	58	1.2	1.3	13	3.3	16	<.1	13	57	57	
APR 01...	1.0	4.9	46	.7	1.6	7.0	4.0	8.3	<.1	11	53	38	
MAY 06...	1.2	10	59	1.2	1.2	10	2.1	15	<.1	13	60	52	
JUN 03...	1.3	8.1	53	1.0	1.7	9.0	1.8	15	<.1	13	58	50	
JUL 01...	1.5	8.3	51	.9	1.6	15	2.5	15	<.1	15	58	58	
AUG 05...	1.4	14	64	1.6	1.6	20	3.9	21	<.1	15	80	73	
SEP 03...	1.2	11	64	1.4	1.5	13	3.6	16	<.1	9.3	73	54	

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH ₄)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH ₄)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC SUSP. TOTAL (MG/L AS N)
OCT 09...	.09	48.9	.21	.21	.140	.140	.17	.18	.34	.34	.48	.00
NOV 04...	.09	64.6	.06	.07	.020	.030	.02	.04	.11	.09	.13	.01
DEC 03...	.09	85.9	.09	.11	.030	--	.04	--	.16	--	.19	--
JAN 07...	.07	82.1	--	.17	--	.130	--	.17	--	.43	--	.00
FEB 04...	.07	101	.19	.22	.080	.180	.10	.23	.13	.09	.21	.00
MAR 03...	.08	118	.06	.07	.050	.060	.06	.08	.07	.04	.12	.02
APR 01...	.07	356	.05	.07	.040	.030	.05	.04	.88	.83	.92	.06
MAY 06...	.08	97.5	.11	.11	.110	.120	.13	.15	.66	.47	.77	.18
JUN 03...	.08	72.0	.09	.05	.020	.030	.02	.04	.37	.32	.39	.04
JUL 01...	.08	58.9	--	.17	--	.170	--	.22	--	.61	--	--
AUG 05...	.11	57.2	.03	.05	.030	.020	.04	.03	.27	.24	.30	.04
SEP 03...	.10	76.7	.12	.11	.050	.060	.06	.08	.43	.22	.48	.20

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO ₃)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO ₄)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. STEEVE DIAM. % FINER THAN .062 MM
OCT 09...	.48	.69	3.0	.020	.06	.030	--	--	40	31	84
NOV 04...	.12	.19	.84	.030	.09	.020	1.9	26	46	46	86
DEC 03...	--	.28	1.2	.090	.27	.090	2.6	--	55	75	84
JAN 07...	.56	--	--	.050	.15	.050	--	--	98	149	57
FEB 04...	.27	.40	1.8	.070	.21	.030	5.0	--	196	372	81
MAR 03...	.10	.18	.80	.020	.06	.010	1.6	180	28	58	96
APR 01...	.86	.97	4.3	.120	.37	.010	--	--	339	2280	90
MAY 06...	.59	.88	3.9	.040	.12	.020	4.0	430	65	106	75
JUN 03...	.35	.48	2.1	.030	.09	.040	2.4	1300	38	47	98
JUL 01...	.78	--	--	.030	.09	.030	--	1100	122	124	70
AUG 05...	.26	.33	1.5	.030	.09	.040	2.5	7300	69	49	91
SEP 03...	.28	.60	2.7	.050	.15	<.010	3.5	5500	81	85	97

HOMOCHITTO RIVER BASIN

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07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDE RECOV- ERABLE (UG/L AS CR)
OCT 09...	1	0	1	100	70	30	3	0	3	20	--
JAN 07...	1	0	2	100	70	30	0	0	1	10	0
APR 01...	0	0	0	200	100	100	0	0	0	40	30
JUL 01...	2	0	2	100	70	30	3	--	<1	30	--

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDE RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT 09...	<10	0	0	0	3	1	2	890	770	120	3
JAN 07...	10	0	0	0	4	3	1	1000	970	30	5
APR 01...	10	2	2	0	6	1	5	3600	3400	200	14
JUL 01...	<10	3	2	1	4	4	0	900	790	110	7

DATE	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)
OCT 09...	3	0	140	30	110	.1	.0	.1	3	1	2
JAN 07...	5	0	160	10	150	.3	.0	.5	7	4	3
APR 01...	14	0	180	130	50	.9	.8	.1	22	18	4
JUL 01...	5	2	220	50	170	.8	.1	.7	6	0	6

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)
OCT 09...	0	0	0	--	--	--	20	10	10	1.4	1.7
JAN 07...	0	0	0	1	1	0	10	10	0	1.5	1.3
APR 01...	0	0	0	0	0	0	10	0	10	8.0	3.0
JUL 01...	0	0	0	2	0	2	10	--	<4	2.7	1.1

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

DATE TIME	NOV 4,80 1200	MAR 3,81 1100	MAY 6,81 1530	JUN 3,81 1300
TOTAL CELLS/ML	26	180	430	1300
DIVERSITY: DIVISION	0.0	0.4	1.9	1.4
..CLASS	0.0	0.4	1.9	1.4
..ORDER	1.0	1.8	2.1	1.9
...FAMILY	1.0	1.8	2.7	2.3
....GENUS	1.0	1.8	2.7	3.0

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
RACILLARIOPHYTA (DIATOMS)								
..BACILLARIOPHYCEAE								
...ACHNANTHALES								
....ACHNANTHACEAE								
....ACHNANTHES	--	-	13	7	--	-	--	-
..BACILLARIALES								
...NITZSCHIA	13#	50	100#	57	90#	21	90	7
...BIDDULPHIALES								
....BIDDULPHIA	--	-	--	-	13	3	--	-
...EUPODISCALES								
....CYCLOTELLA	--	-	13	7	--	-	--	-
..FRAGILARIALES								
...FRAGILARIA	--	-	--	-	13	3	13	1
....SYNEDRA	--	-	39#	21	--	-	--	-
..NAVICULALES								
...CYMBELLA	--	-	--	-	--	-	--	-
...NAVICULACEAE	13#	50	--	-	--	-	13	1
....NAVICULA								
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
....TETRAEDRON	--	-	--	-	--	-	13	1
...DICTYOSPHAERIALES								
...DICTYOSPHAERIUM	--	-	--	-	--	-	13	1
...HYDRODICTYACEAE								
...PEDIASTRUM	--	-	--	-	77#	18	--	-
...MICRACTINIACEAE								
...MICRACTINIUM	--	-	--	-	--	-	26	2
...OOCYSTACEAE								
...ANKISTRODESMUS	--	-	13	7	26	6	64	5
...KIRCHNERIELLA	--	-	--	-	--	-	--	-
...OOCYSTIS	--	-	--	-	--	-	--	-
...SELENASTRUM	--	-	--	-	--	-	--	-
...PALMELLACEAE								
...SPHAEROCYSTIS	--	-	--	-	--	-	--	-
...SCENEDESMACEAE								
...ACTINASTRUM	--	-	--	-	--	-	--	-
...COELASTRUM	--	-	--	-	--	-	130	10
...CRUCIGENTIA	--	-	--	-	--	-	--	-
...SCENEDESMUS	--	-	--	-	52	12	210#	16
...VOLVOCALES								
...CHLAMYDOMONADACEAE								
...CHLAMYDOMONAS	--	-	--	-	--	-	170	13
...ZYGNEMATALES								
...DESMIDIACEAE								
...CLOSTERIUM	--	-	--	-	--	-	--	-
...SPONDYLIUM	--	-	--	-	--	-	--	-
...STAUSTRUM	--	-	--	-	--	-	--	-
CHRYSOPHYTA								
..XANTHOPHYCEAE								
...MISCHOCOCCEAE								
...SCIADACEAE								
...CENTRITRACTUS	--	-	--	-	--	-	--	-
...OPHIOTYTIUM	--	-	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)								
..CRYPTOPHYCEAE								
...CRYPTOMONADALES								
...CRYPTOMONADACEAE								
....CRYPTOMONAS	--	-	--	-	13	3	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

HOMOCHITTO RIVER BASIN

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07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

DATE TIME	NOV 4, 80 1200	MAR 3, 81 1100	MAY 6, 81 1530	JUN 3, 81 1300				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
....CHROOCOCCACEAE								
....AGMELLUM	--	-	--	-	--	-	210#	16
....ANACYSTIS	--	-	--	-	130#	30	370#	28
...NOSTOCALFS								
...HAMMATOIDACEAE								
...RAPHIDIOPSIS	--	-	--	-	--	-	--	-
...OSCILLATORIALES								
...OSCILLATORIAEAE								
....LYNGBYA	--	-	--	-	--	-	--	-
....OSCILLATORIA	--	-	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENIDS)								
..EUGLENOPHYCEAE								
...EUGLENALFS								
...EUGLENACEAE								
....EUGLENA	--	-	--	-	--	-	13	1
....TRACHELOMONAS	--	-	--	-	13	3	--	-
PYRRHOPHYTA (FIRE ALGAE)								
..DINOPHYCEAE								
...DINOKONTAE								
...GLENODINIACEAE								
....GLENODINIUM	--	-	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

DATE TIME	JUL 1, 81 1400	AUG 5, 81 1130	SEP 3, 81 1100
TOTAL CELLS/ML	1100	7300	5500
DIVERSITY: DIVISION	1.2	1.4	1.0
...CLASS	1.2	1.4	1.0
...ORDER	1.9	2.2	2.3
...FAMILY	2.4	2.7	2.8
...GENUS	2.7	2.8	3.1

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
BACILLARIOPHYTA (DIATOMS)						
..BACILLARIOPHYCEAE						
...ACHNANTHALES						
...ACHNANTHACEAE						
...ACHNANTHES	--	-	--	-	28	1
..BACILLARIALES						
...NITZSCHIA	26	2	120	2	56	1
...NITZSCHIALES						
...BIDDULPHIALES						
...BIDDULPHIA	--	-	--	-	--	-
...EUPODISCALES						
...COSCINODISCALES						
...CYCLOTELLA	--	-	140	2	42	1
..FRAGILARIALES						
...FRAGILARIACEAE						
...FRAGILARIA	--	-	--	-	--	-
...SYNEDRA	--	-	*	0	--	-
..NAVICULALES						
...CYMBELLACEAE						
...CYMBELLA	--	-	*	0	--	-
...NAVICULACEAE						
...NAVICULA	--	-	70	1	84	2
CHLOROPHYTA (GREEN ALGAE)						
..CHLOROPHYCEAE						
...CHLOROCOCCALES						
...CHLOROCOCCACEAE						
...TETRAEDRON	--	-	*	0	*	0
...DICTYOSPHAERIALES						
...DICTYOSPHAERIUM	--	-	560	8	110	2
...HYDRODICTYACEAE						
...PEDIASTRUM	--	-	--	-	84	2
...MICRACTINIACEAE						
...MICRACTINIUM	--	-	--	-	56	1
...NOCYSTACEAE						
...ANKISTRODESMUS	280#	26	540	7	56	1
...KIRCHNERIELLA	--	-	70	1	--	-
...OOCYSTIS	--	-	--	-	84	2
...SELENASTRUM	39	4	--	-	--	-
...PALMELLACEAE						
...SPHAEROCYSTIS	--	-	--	-	220	4
...SCENEDESMACEAE						
...ACTINASTRUM	--	-	--	-	110	2
...COELASTRUM	--	-	--	-	--	-
...CRUCIGENIA	52	5	--	-	--	-
...SCENEDESMUS	170#	15	1500#	21	420	8
...VOLVOCALES						
...CHLAMYDOMONADACEAE						
...CHLAMYDOMONAS	170#	15	300	4	28	1
..ZYGNEMATALES						
...DESMIDIACEAE						
...CLOSTERIUM	13	1	--	-	--	-
...SPONDYLIUM	--	-	47	1	28	1
...STAUSTRUM	26	2	--	-	--	-
CHRYSTOPHYTA						
..XANTHOPHYCEAE						
...MITSCHOCOCCELES						
...SCIADACEAE						
...CENTRITRACTUS	--	-	70	1	--	-
...OPHIOCYTIUM	13	1	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)						
..CRYPTOPHYCEAE						
...CRYPTOMONADALES						
...CRYPTOMONADACEAE						
...CRYPTOMONAS	--	-	*	0	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

HOMOCHITTO RIVER BASIN

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07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1980 TO SEPTEMBER 1981

DATE TIME	JUL 1,81 1400	AUG 5,81 1130	SEP 3,81 1100			
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
...CHROOCOCCALES						
...CHROOCOCCACEAE						
....AGMENELLUM	--	-	93	1	900#	16
....ANACYSTIS	290#	26	890	12	28	1
...NOSTOCALES						
...HAMMATOIDEACEAE						
....RAPHIDIOPSIS	--	-	--	-	1600#	29
...OSCILLATORIALES						
...OSCILLATORIAEAE						
....LYNGBYA	--	-	--	-	210	4
....OSCILLATORIA	--	-	2700#	37	1300#	24
EUGLENOPHYTA (EUGLENOIDS)						
..EUGLENOPHYCEAE						
...EUGLENALES						
...EUGLENACEAE						
....EUGLENA	--	-	47	1	*	0
....TRACHELOMONAS	--	-	*	0	*	0
PYRRHOPHYTA (FIRE ALGAE)						
..DINOPHYCEAE						
...DINOKONTAE						
...GLENODINIACEAE						
...GLENODINIUM	13	1	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	85	105	77	80	80	70	95	74	65	120	60
2	90	80	107	77	98	86	70	97	74	60	120	60
3	90	---	75	77	90	105	74	100	79	50	160	180
4	95	80	75	80	75	48	74	100	65	50	160	95
5	80	85	77	79	75	48	74	110	62	60	110	100
6	80	90	77	79	70	53	69	100	64	70	120	100
7	86	96	77	75	46	65	79	78	63	70	100	100
8	85	99	75	67	55	70	84	78	42	80	120	110
9	85	100	70	77	70	76	86	80	53	90	125	110
10	85	100	46	78	63	80	90	71	64	90	110	110
11	85	100	52	78	47	85	92	40	69	95	110	110
12	85	91	65	80	55	85	95	58	83	95	120	110
13	85	83	70	80	63	90	95	70	66	100	120	110
14	87	90	70	76	68	90	95	64	61	100	140	100
15	86	100	70	77	72	90	97	80	64	110	120	100
16	87	110	73	80	70	115	99	65	76	110	110	100
17	85	210	75	78	22	100	100	77	78	110	120	90
18	85	90	75	78	80	94	100	74	78	110	120	80
19	90	115	75	80	77	95	100	80	80	110	100	95
20	75	110	75	75	77	100	100	80	77	120	100	100
21	83	112	75	75	76	100	100	80	79	120	110	110
22	86	112	75	72	76	105	100	80	79	120	100	110
23	89	54	75	83	76	75	100	43	79	120	120	110
24	89	62	77	85	76	85	65	75	79	120	120	110
25	87	93	77	85	80	90	80	87	62	120	120	120
26	80	80	85	85	79	90	90	81	54	120	125	120
27	83	60	80	85	80	95	95	42	46	120	120	110
28	54	77	77	85	80	95	100	50	67	120	120	100
29	54	110	77	80	---	94	105	63	67	120	120	100
30	75	123	77	83	---	67	95	69	74	110	120	110
31	83	---	77	85	---	67	---	73	---	120	130	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.0	18.0	17.0	13.0	13.0	20.0	20.0	23.0	25.0	30.0	32.0	28.0
2	25.0	17.0	18.0	12.0	9.0	17.0	22.0	20.0	26.0	28.0	29.0	27.0
3	20.0	---	10.0	12.0	10.0	15.0	---	23.0	27.0	26.0	34.0	26.0
4	20.0	20.0	17.0	11.0	12.0	18.0	22.0	24.0	28.0	28.0	31.0	29.0
5	22.0	19.0	18.0	11.0	9.0	16.0	23.0	22.0	27.0	28.0	30.5	30.0
6	20.0	18.0	20.0	12.0	13.0	18.0	20.0	22.0	30.0	28.0	32.0	29.0
7	20.0	20.0	21.0	13.0	12.0	16.0	20.0	18.0	32.0	32.0	32.0	30.0
8	20.0	22.0	20.0	12.0	14.0	16.0	22.0	24.0	30.0	31.0	32.0	30.0
9	22.0	22.0	20.0	15.0	14.0	15.0	24.0	23.0	32.0	32.0	32.0	28.0
10	24.0	23.0	12.0	20.0	15.0	17.0	24.0	20.0	32.0	34.0	30.0	26.0
11	20.0	20.0	12.0	7.0	8.0	15.0	24.0	22.0	30.0	34.0	32.0	29.0
12	20.0	22.0	15.0	4.0	8.0	18.0	25.0	23.0	30.0	32.0	32.0	30.0
13	20.0	21.0	13.0	7.0	10.0	20.0	25.0	23.0	28.0	32.0	33.0	31.0
14	16.0	22.0	15.0	19.0	10.0	18.0	27.0	22.0	30.0	34.0	33.0	28.0
15	20.0	19.0	15.0	15.0	15.0	18.0	25.0	22.0	32.0	34.0	34.0	26.0
16	24.0	20.0	15.0	8.0	15.0	20.0	24.0	23.0	31.0	34.0	34.0	25.0
17	24.0	15.0	13.0	10.0	20.0	17.0	27.0	22.0	31.0	34.0	34.0	25.0
18	21.0	15.0	15.0	14.0	13.0	17.0	27.0	21.0	31.0	34.0	32.0	24.0
19	25.0	14.0	15.0	13.0	20.0	14.0	27.0	22.0	31.0	34.0	32.0	24.0
20	20.0	17.0	9.0	12.0	20.0	18.0	25.0	20.0	31.0	34.0	30.0	24.0
21	20.0	15.0	10.0	10.0	21.0	15.0	28.0	21.0	31.0	32.0	29.0	25.0
22	24.0	12.0	10.0	11.0	17.0	15.0	25.0	23.0	31.0	34.0	30.0	26.0
23	22.0	10.0	15.0	10.0	15.0	15.0	22.0	23.0	31.0	32.0	28.0	27.0
24	23.0	15.0	13.0	13.0	17.0	15.0	22.0	24.0	31.0	35.0	31.0	27.0
25	17.0	15.0	11.0	15.0	19.0	18.0	22.0	24.0	32.0	34.0	32.0	27.0
26	15.0	13.0	13.0	15.0	20.0	19.0	25.0	23.0	31.0	34.0	32.0	28.0
27	21.0	11.0	12.0	18.0	15.0	22.0	22.0	23.0	31.0	34.0	32.0	28.0
28	15.0	9.0	13.0	16.0	20.0	20.0	25.0	24.0	30.0	34.0	30.0	25.0
29	15.0	13.0	15.0	20.0	---	22.0	25.0	24.0	31.0	32.0	30.0	25.0
30	25.0	15.0	12.0	15.0	---	20.0	27.0	25.0	31.0	32.0	30.0	26.0
31	16.0	---	13.0	14.0	---	20.0	---	24.0	---	32.0	30.0	---

07295000 BUFFALO RIVER NEAR WOODVILLE, MS

LOCATION.--Lat 31°13'35", long 91°17'45", in SW¼ sec.21, T.3 N., R.2 W., Washington Meridian, Wilkinson County, Hydrologic Unit 08060206, near center of span on downstream side of bridge on U.S. Highway 61, 1.5 mi (2.4 km) downstream from Fords Creek, 2.8 mi (4.5 km) west of Wilkinson, and 8.5 mi (13.7 km) north of Woodville.

DRAINAGE AREA.--182 mi² (471 km²).

PERIOD OF RECORD.--March 1942 to current year. Prior to October 1950, published as Buffalo Bayou near Woodville.

REVISED RECORDS.--WSP 1281: 1943, 1946(M).

GAGE.--Water-stage recorder. Datum of gage is 94.52 ft (28.810 m) National Geodetic Vertical Datum of 1929. Prior to June 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1964, at datum 3.00 ft (0.914 m) higher.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--39 years, 272 ft³/s (7.703 m³/s), 20.29 in/yr (515 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65,000 ft³/s (1,840 m³/s) Mar. 25, 1973, gage height, 22.3 ft (6.80 m) from floodmarks, from rating curve extended above 35,000 ft³/s (990 m³/s); minimum, 16 ft³/s (0.45 m³/s) Aug. 14, 18, 19, 1954, Sept. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 22,900 ft³/s (649 m³/s) Mar. 4, only peak above base of 11,000 ft³/s (312 m³/s), gage height, 16.08 ft (4.901 m); minimum, 26 ft³/s (0.736 m³/s) Aug. 27, gage height, 3.88 ft (1.182 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	65	85	40	135	77	1940	132	67	36	36	30
2	49	61	72	37	444	85	444	64	63	1040	97	43
3	45	57	61	37	142	77	265	53	75	432	166	62
4	42	51	55	37	90	6740	211	49	168	147	160	189
5	40	47	51	34	87	1660	242	3480	380	153	55	52
6	39	45	47	44	1250	714	149	463	329	166	46	38
7	37	45	42	187	342	457	128	229	105	206	41	34
8	37	44	40	67	227	369	117	173	75	213	44	32
9	37	42	1940	47	174	284	108	141	63	89	38	31
10	36	40	1340	40	1520	236	100	226	58	71	35	29
11	36	40	327	36	568	205	92	149	58	72	34	28
12	36	39	214	34	268	180	88	112	91	39	45	33
13	36	39	165	33	221	165	83	100	85	68	45	61
14	36	39	135	37	193	142	77	133	56	57	47	67
15	36	65	114	36	193	121	73	117	48	53	36	177
16	36	59	105	33	205	121	97	105	45	49	32	102
17	36	208	87	30	208	90	175	124	52	47	31	47
18	264	96	79	29	174	85	80	86	45	45	30	38
19	139	65	72	31	152	72	71	79	41	44	29	35
20	65	57	67	124	135	65	64	69	39	43	29	33
21	53	55	61	142	121	72	61	67	38	41	28	33
22	47	61	59	61	146	389	67	63	36	40	28	32
23	44	1340	59	47	124	193	108	59	38	39	33	32
24	42	250	59	42	102	117	124	57	64	38	32	32
25	39	157	53	39	93	96	72	64	64	47	31	31
26	39	1320	49	36	90	85	61	1580	139	139	28	30
27	96	588	47	36	82	77	55	191	56	50	27	30
28	758	214	45	39	74	72	52	112	41	50	28	30
29	142	142	44	31	---	96	52	86	37	72	31	31
30	90	105	44	29	---	530	91	75	34	43	29	32
31	72	---	42	29	---	1120	---	69	---	38	34	---
TOTAL	2565	5476	5660	1524	7560	14832	5347	8507	2490	3717	1405	1474
MEAN	82.7	183	183	49.2	270	478	178	274	83.0	120	45.3	49.1
MAX	758	1340	1940	187	1520	6740	1940	3480	380	1040	166	189
MIN	36	39	40	29	74	65	52	49	34	36	27	28
CFSM	.45	1.01	1.01	.27	1.48	2.63	.98	1.51	.46	.66	.25	.27
IN.	.52	1.12	1.16	.31	1.55	3.03	1.09	1.74	.51	.76	.29	.30

CAL YR 1980 TOTAL 129122 MEAN 353 MAX 12000 MIN 31 CFSM 1.94 IN 26.39
WTR YR 1981 TOTAL 60557 MEAN 166 MAX 6740 MIN 27 CFSM .91 IN 12.38

MISSISSIPPI RIVER DELTA

07377000 AMITE RIVER NEAR DARLINGTON, LA

LOCATION.--Lat 30°53'20", long 90°50'40", in lot 72, T.2 S., R.4 E., St. Helena Meridian, St. Helena Parish, Hydrologic Unit 08070202 near center of span on downstream side of bridge on State Highway 10, 1.5 mi (2.4 km) upstream from Collins Creek, and 4.0 mi (6.4 km) west of Darlington.

DRAINAGE AREA.--580 mi² (1,502 km²).

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 145.81 ft (44.443 m) National Geodetic Vertical Datum of 1929. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft (210 m) to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, datum 2.99 ft (0.911 m) higher.

AVERAGE DISCHARGE.--31 years, 900 ft³/s (25.49 m³/s), 21.07 in/yr (535 mm/yr).

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,400 ft³/s (2,160 m³/s) Apr. 22, 1977, gage height, 21.76 ft (6.632 m); minimum, 188 ft³/s (5.32 m³/s) Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,320 ft³/s (236 m³/s) Dec. 11, gage height, 12.85 ft (3.917 m), only peak above base of 5,000 ft³/s (140 m³/s); minimum, 268 ft³/s (7.59 m³/s) Sept. 30; minimum gage height, 3.31 ft (1.009 m) Aug. 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	650	601	793	505	502	522	1880	498	382	345	299	314
2	495	556	706	497	719	517	4110	395	389	493	357	291
3	451	529	645	491	712	509	2470	368	401	2630	437	327
4	427	509	606	489	596	696	1110	360	1060	2270	350	399
5	414	491	585	484	575	4190	832	582	737	1010	309	425
6	408	477	568	488	1440	4670	682	712	747	1030	297	337
7	415	472	554	581	1670	2650	603	463	548	871	297	312
8	415	466	543	628	1230	1200	563	408	463	798	299	293
9	419	462	991	552	924	917	532	389	415	538	285	287
10	420	459	6930	519	1460	777	508	406	400	438	279	283
11	418	455	7150	502	3310	697	486	546	409	414	278	279
12	419	447	3400	491	2210	641	464	411	393	410	278	279
13	416	442	1440	484	1260	609	449	381	388	382	279	293
14	414	449	1090	486	950	585	435	379	403	362	280	293
15	415	1460	914	490	841	564	423	391	387	350	298	583
16	414	2420	814	485	832	545	412	391	370	334	314	613
17	415	1020	743	474	1020	526	407	400	360	333	307	460
18	452	991	685	467	967	531	401	392	350	332	331	328
19	552	771	646	468	851	507	395	377	348	321	307	293
20	519	633	614	524	760	490	388	367	343	310	297	285
21	470	576	588	624	694	485	382	359	340	308	284	284
22	441	559	571	577	663	647	378	357	334	302	279	280
23	433	2090	564	532	646	910	395	355	364	299	466	283
24	430	3260	566	517	604	884	430	355	388	297	427	279
25	422	1620	570	508	575	672	420	358	528	294	298	277
26	417	2540	551	500	557	579	388	428	1380	299	281	275
27	421	4520	537	495	543	536	378	1010	695	297	276	274
28	4030	2500	530	494	530	511	369	697	493	307	274	273
29	3610	1310	530	491	---	519	366	470	388	304	301	270
30	1070	941	519	481	---	881	374	400	358	313	351	269
31	713	---	513	477	---	1160	---	377	---	311	338	---
TOTAL	21405	34026	36456	15801	27641	30127	21430	13782	14561	17302	9753	9738
MEAN	690	1134	1176	510	987	972	714	445	485	558	315	325
MAX	4030	4520	7150	628	3310	4670	4110	1010	1380	2630	466	613
MIN	408	442	513	467	502	485	366	355	334	294	274	269
CFSM	1.19	1.96	2.03	.88	1.70	1.68	1.23	.77	.84	.96	.54	.56
IN.	1.37	2.18	2.34	1.01	1.77	1.93	1.37	.88	.93	1.11	.63	.62

CAL YR 1980 TOTAL 611321 MEAN 1670 MAX 35100 MIN 399 CFSM 2.88 IN 39.21
WTR YR 1981 TOTAL 252022 MEAN 690 MAX 7150 MIN 269 CFSM 1.19 IN 16.16

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1981

Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum Gage height (feet)	Dis-charge (ft ³ /s)
Mobile River basin							
02434000	Town Creek at Tupelo, MS	Lat 34°17'40", long 88°42'35", in SW¼ SE¼ sec.18, T.9 S., R.6 E., Chickasaw Meridian, Lee County, on U.S. Highway 45, 0.5 mi (0.8 km) north of city limits of Tupelo. Prior to 1971 at datum 0.40 ft (0.122 m) higher.	111	1944-46†, 1952-70†, 1971-81	5-26-81	22.71	7,360
02435400	Clear Branch near Tupelo, MS	Lat 34°15'30", long 88°39'50", in SW¼ SE¼NW¼ sec.34, T.9 S., R.6 E., Chickasaw Meridian, Lee County, at culvert on U.S. Highway 78, 1.3 mi (2.1 km) east of Tupelo.	.75	1955-81	3-29-81	4.29	86
02435800	Coonewah Creek at Shannon, MS	Lat 34°08'15", long 88°43'12", in SE¼, sec.12, T.11 S., R.5 E., Chickasaw Meridian, Lee County, on U.S. Highway 45, 1.0 mi (1.6 km) north of Shannon and 4.5 mi (7.2 km) upstream from mouth.	53.1	1953-81	5-26-81	13.92	(†)
02435930	Shell Creek near Tupelo, MS	Lat 34°14', long 88°49', in NW¼SE¼SW¼ sec.6, T.10 S., R.5 E., Chickasaw Meridian, Lee County, at culvert on State Highway 6, 6.6 mi (10.6 km) west of Tupelo. Prior to Oct. 1, 1964, at datum 11.48 ft (3.499 m) lower.	.20	1955-81	5-26-81	4.28	72
02436000	Chiwapa Creek at Shannon, MS	Lat 34°06'35", long 88°43'25", in SE¼ sec.24, T.11 S., R.5 E., Chickasaw Meridian, Lee County, at bridge on U.S. Highway 45W at Shannon, and 0.7 mi (1.1 km) above Gulf, Mobile and Ohio Railroad bridge.	145	1952-67†, 1968-81	5-26-81	7.45	9,420
02437300	Mattubby Creek near Aberdeen, MS	Lat 33°52', long 88°36', in SE¼SE¼ sec.7, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, at bridge on U.S. Highway 45, 1.5 mi (2.4 km) above Wolf River, and 4.1 mi (6.6 km) northwest of Aberdeen.	92.2	1937, 1952-81	---	(a)	(†)
02437550	Nichols Creek tributary near Quincy, MS	Lat 33°54'20", long 88°21'05", in SE¼ sec.29, T.13 S., R.10 E., Huntsville Meridian, Monroe County, at culvert on U.S. Highway 278, 1.0 mi (1.6 km) southeast of Quincy.	.54	1967-81	11-15-80	4.32	104
02437600	James Creek at Aberdeen, MS	Lat 38°48'45", long 88°34'00", in SW¼SE¼ sec.33, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, at bridge on State Highway 25, 0.4 mi (0.6 km) southwest of Aberdeen.	28.4	1964-68†, 1969-81	---	(a)	(†)

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations during water year 1981--Continued

Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum Gage height (feet)	Dis-charge (ft ³ /s)
Mobile River basin--Continued							
02439980	Chuquatonchee Creek near Okolona, MS	Lat 34°00'05", long 88°53'00", in NE¼ sec.33, T.12 S., R.4 E., Chickasaw Meridian, Chickasaw County, at bridge on State Highway 32, 7.5 mi (12.1 km) west of Okolona.	66.7	1963-68†, 1969-81	5-26-81	13.34	2,160
02440000	Chuquatonchee Creek near Egypt, MS	Lat 33°50'30", long 89°46'30", on line between secs.22 and 27, T.14 S., R.5 E., Chickasaw Meridian, Chickasaw County, at bridge on State Highway 8, 4.5 mi (7.2 km) southwest of Egypt.	167	1952-73†, 1974-81	5-27-81	12.30	1,880
02440020	Chuquatonchee Creek tributary near Trebloc, MS	Lat 33°50'25", long 88°48'20", on line between SW¼ sec.20 and NW¼ sec.29, T.14 S., R.5 E., Chickasaw Meridian, Chickasaw County, at culvert on State Highway 8, 1.5 mi (2.4 km) east of Trebloc.	.72	1967-81	5-19-81	5.47	94
02440400	Houlka Creek near McCondy, MS	Lat 33°47'05", long 88°51'15", in SE¼SW¼ sec.11, T.15 S., R.4 E., Chickasaw Meridian, Clay County, at bridge on State Highway 47, 2.8 mi (4.5 km) south of McCondy.	189	1963-68†, 1969-81	3-30-81	13.38	4,690
02440500	Chuquatonchee Creek near West Point, MS	Lat 33°36'25", long 88°42'30", on line between secs.7 and 18, T.17 S., Meridian, Clay County, at bridge State Highway 50, 3.0 mi (4.8 km) west of West Point.	505	1944-73†, 1974-81	4- 1-81	16.72	8,400
02440600	Line Creek near Maben, MS	Lat 33°39', long 89°04', in S½ sec.26, T.16 S., R.2 E., Chickasaw Meridian, Webster County, at bridge on State Highway 15, 1,000 ft (305 m) below Gulf, Mobile and Ohio Railroad, and 7.0 mi (11.3 km) north of Maben.	4.76	1952-81	---	(a)	(†)
02440800	Trim Cane Creek near Starkville, MS	Lat 33°28', long 88°55', in W½ sec.35, T.19 N., R.13 E., Choctaw Meridian, Oktibbeha County, at bridge on U.S. Highway 82, 3.0 mi (4.8 km) above Biba Wila Creek, and 6.0 mi (9.7 km) west of Starkville.	44.9	1952-81	4- 1-81	17.59	(†)
02441220	Sand Creek tributary near Mayhew, MS	Lat 33°28'40", long 88°43'20", on line between SW¼ sec.27 and NW¼ sec.34, T.19 N., R.15 E., Choctaw Meridian, Oktibbeha County, on U.S. Highway 82, 3.7 mi (6.0 km) west of Mayhew.	.44	1966-81	4- 1-81	5.88	189
02441300	Catalpa Creek at Mayhew, MS	Lat 33°28'50", long 88°37'45", in NE¼ SW¼ sec.28, T.19 N., R.16 E., Choctaw Meridian, Lowndes County, at bridge on U.S. Highway 82, 0.5 mi (0.8 km) east of Mayhew.	98.0	1963-68†, 1969-81	4- 1-81	17.16	6,100
02443000	Luxapallila Creek at Steens, MS	Lat 33°33'56", long 88°18'55" in NE¼ sec.27, T.17 S., R.17 W., Huntsville Meridian, Lowndes County, on county highway, 0.2 mi (0.3 km) southeast of Steens.	309	1944-47†, 1950-77†, 1978-81	4- 1-81	16.03	5,420
02443700	Cedar Creek near Brooksville, MS	Lat 33°20'00", long 88°32'30", in SW¼ sec.17, T.17 N., R.17 E., Choctaw Meridian, Lowndes County, at culvert on U.S. Highway 45, 7.5 mi (12.1 km) north of Brooksville.	.49	1965-81	4- 1-81	6.72	310
02447220	Bogue Fallah Creek tributary near Ackerman, MS	Lat 33°20'10", long 89°07'10", in SW¼ sec.14, T.17 N., R.11 E., Choctaw Meridian, Choctaw County, on State Highway 12, 4.1 mi (6.6 km) northeast of Ackerman.	.34	1966-81	4- 1-81	3.08	30
02448620	Flat Scooba Creek tributary near Scooba, MS	Lat 32°50'20", long 88°28'10", in SE¼ sec.32, T.12 N., R.18 E., Choctaw Meridian, Kemper County, at culvert on U.S. Highway 45, 0.8 mi (1.3 km) north of Scooba.	.44	1967-81	3-29-81	5.13	123

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1981--Continued

Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum Gage height (feet)	Dis-charge (ft ³ /s)
Mobile River basin--Continued							
02469672	Little Okatuppa Creek near Quitman, MS	Lat 32°05'00", long 88°27'10", in NW¼SE¼ sec.21, T.3 N., R.18 E., Choctaw Meridian, Clarke County, on State Highway 18, 17.6 mi (28.3 km) east of Quitman.	4.35	1966-81	3- 4-81	6.56	820
Pascagoula River basin							
02471100	Leaf River near Raleigh, MS	Lat 32°00'47", long 89°25'58", in SE¼SE¼ sec.13, T.2 N., R.8 E., Choctaw Meridian, Smith County, at bridge on State Highway 18, 6.0 mi (9.7 km) east of Raleigh.	143	1940-43b 1957-81	7- 2-81	297.91	6,180
02471250	Leaf River at Taylorsville, MS	Lat 31°49'40", long 89°24'30", on line between secs.16 and 21, T.10 N., R.14 W., St. Stephens Meridian, Smith County, on State Highway 28, 1.0 mi (1.6 km) east of Taylorsville.	459	1968-81	3-29-81	247.12	11,000
02471500	Oakohay Creek at Mize, MS	Lat 31°52', long 89°33', in NW¼ sec.6, T.10 N., R.15 W., St. Stephens Meridian, Smith County, on State Highway 28, at Mize.	185	1943-49+, 1968-81	3-29-81	287.02	6,100
02472160	Big Creek tributary near Laurel, MS	Lat 31°41'20", long 89°19'35", in NE¼SW¼ sec.5, T.8 N., R.13 W., St. Stephens Meridian, Jones County, on U.S. Highway 84, 11.4 mi (18.3 km) west of Laurel.	.17	1966-81	3-29-81	6.16	189
02472420	Bowie Creek near Sanford, MS	Lat 31°28'20", long 89°31'20", in NE¼ sec.20, T.6 N., R.15 W., St. Stephens Meridian, Covington County, at bridge on State Highway 589, 5.0 mi (8.0 km) southwest of junction with U.S. Highway 49.	262	1968-81	3- 6-81	24.01	8,850
02472810	Okatoma Creek tributary No. 2 near Collins, MS	Lat 31°36'30", long 89°32'00", in SW¼ sec.32, T.8 N., R.15 W., St. Stephens Meridian, Covington County, at culvert on U.S. Highway 49, 1.6 mi (2.6 km) south of Collins.	.21	1967-81	3-29-81	8.13	281
02473047	Gordon Creek at Broad Street at Hattiesburg, MS	Lat 31°19'42", long 89°18'14", in NW¼NE¼ sec.9, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, at bridge on Broad Street in Hattiesburg.	8.83	1969-81	2-12-81	55.22	1,270
02473480	Tallahattah Creek near Waldrup, MS	Lat 31°51'40", long 89°05'10", in NW¼SE¼ sec.3, T.10 N., R.11 W., St. Stephens Meridian, Jasper County, on paved county road, 8.7 mi (14.0 km) south of Waldrup.	30.4	1965-70+, 1971-81	4- 1-81	14.89	1,520
02473498	Tallahala Creek tributary at 8th St. at Laurel, MS	Lat 31°41'55", long 89°07'44", in SE¼ sec.32, T.9 N., R.11 W., St. Stephens Meridian, Jones County, at wooden box bridge of 8th Street in park, 200 ft (61 m) east of 4th Ave. in Laurel.	1.12	1975-81	4- 1-81	238.20	600
02473610	Tallahala Creek tributary No. 2 at Grandview Dr., at Laurel, MS	Lat 31°40'44", long 89°09'19", in N¼ sec.12, T.8 N., R.12 W., St. Stephens Meridian, Jones County, at bridge at intersection of Grandview Drive and West Drive in Laurel.	1.52	1975-81	4- 1-81	229.75	455
02473850	Tallahoma Creek tributary at Lake Como, MS	Lat 31°57'40", long 89°12'20", on line between SE¼ sec.31, T.1 N., and NE¼ sec.6, R.11 E., (revised) Choctaw Meridian, Jasper County at culvert on State Highway 528, 0.5 mi (0.8 km) east of Lake Como.	3.21	1966-81	4- 1-81	7.67	1,290
02474650	Buck Creek near Runnelstown, MS	Lat 31°21'50", long 89°02'55", in SE¼ sec.25, T.5 N., R.11 W., St. Stephens Meridian, Perry County, at bridge on State Highway 42, 2.5 mi (4.0 km) above mouth, and 3.7 mi (6.0 km) east of Runnelstown.	20.8	1951-81	2-11-81	84.16	1,860

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations during water year 1981--Continued

Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum Gage height (feet)	Dis-charge (ft ³ /s)
Pascagoula River basin--Continued							
02475050	Waterfall Branch near McLain, MS	Lat 31°07'10", long 88°45'25", in SW¼ NE¼SE¼ sec.23, T.2 N., R.8 W., St. Stephens Meridian, Greene County, at culvert on State Highway 57, 4.2 mi (6.8 km) east of McLain. Prior to Oct. 1, 1964, at datum 0.72 ft (0.219 m) lower.	0.65	1955-81	2-11-81	9.84	557
02475220	Little Rock Creek tributary near Little Rock, MS	Lat 32°31', long 89°01', in NW¼ sec.30, T.8 N., R.13 E., Choctaw Meridian, Newton County, at culvert on State Highway 494, 1.2 mi (1.9 km) south-east of Little Rock.	.22	1965-81	3-29-81	3.66	46
02477050	Souinlove Creek near Baxter, MS	Lat 32°13', long 89°08', in NE¼ sec.3, T.4 N., R.11 E., Choctaw Meridian, Jasper County, at culvert on State Highway 15, 2.6 mi (4.2 km) north of Baxter.	1.14	1965-81	3-29-81	7.88	419
02477090	Powers Creek near Rose Hill, MS	Lat 32°07', long 89°02', in NE¼ sec.11, T.3 N., R.12 E., Choctaw Meridian, Jasper County at culvert on State Highway 18, 3.0 mi (4.8 km) southwest of Rose Hill.	.52	1965-81	3-29-81	6.07	255
02477330	Shubuta Creek near Shubuta, MS	Lat 31°53', long 88°44', in NW¼ sec.35, T.1 N., R.15 E., Choctaw Meridian, Clarke County, at county highway, 1.5 mi (2.4 km) northwest of Shubuta, and 5.0 mi (8.0 km) above mouth.	75.5	1963-81	3- 5-81	18.89	3,960
02478600	Granny Branch at Piave, MS	Lat 31°23'30", long 88°44'50", in SE¼ sec.13, T.5 N., R.8 W., St. Stephens Meridian, Greene County, at culvert on State Highway 63, 0.3 mi (0.5 km) southwest of Piave.	.69	1967-81	3-29-81	5.03	160
02479187	Red Creek tributary near Wiggins, MS	Lat 30°50'55", long 89°13'40", in SW¼NE¼NE¼ sec.30, T.2 S., R.12 W., St. Stephens Meridian, Stone County on State Highway 26, 5.3 mi (8.5 km) west of Wiggins.	.22	1966-81	2-11-81	8.02	276
Tchoutacabouffa River basin							
02480500	Tuxachanie Creek near Biloxi, MS	Lat 30°31'35", long 88°54'40", in SE¼ NW¼ sec.20, T.6 S., R.9 W., St. Stephens Meridian, Harrison County, at bridge on State Highway 15 7.0 mi (11.3 km) north of city limits of Biloxi.	92.4	1952-71+ 1972-81	2-11-81	17.64	6,430
Biloxi River basin							
02481130	Biloxi River near Lyman, MS	Lat 30°29'18", long 89°02'09", in SE¼SE¼ sec.25, T.6 S., R.11 W., St. Stephens Meridian, Harrison County, on downstream side of left pier of bridge on county highway, 1.2 mi (1.9 km) downstream from Little Biloxi River, 4.6 mi (7.4 km) east of Lyman.	251	1965-81	2-11-81	18.68	15,000
Pearl River basin							
02482100	Indian Branch near Edinburg, MS	Lat 32°46'50", long 89°25'30", in NW¼NE¼NE¼ sec.25, T.11 N., R.8 E., Choctaw Meridian, Leake County, on State Highway 16, 5.4 mi (8.7 km) west of Edinburg.	1.91	1966-81	3-29-81	3.03	181

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1981--Continued

Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum Gage height (feet)	Dis-charge (ft ³ /s)
Pearl River basin--Continued							
02482310	Lobutch Creek tributary at Wamba, MS	Lat 33°02', long 89°27', in NW¼ sec.35, T.14 N., R.8 E., Choctaw Meridian, Attala County, at culvert on State Highway 19, 0.3 mi (0.5 km) west of Wamba.	0.94	1965-81	10-28-80	5.97	185
02483890	Yockanookany River tributary near McCool, MS	Lat 33°10', long 89°25', in SW¼ sec.7, T.15 N., R.9 E., Choctaw Meridian, Attala County, at culvert on State Highway 12, 4.0 mi (6.4 km) southwest of McCool.	.34	1965-81	5-18-81	3.04	60
02484600	Coffee Bogue at Ludlow, MS	Lat 32°34'25", long 89°43'48", in N¼ of line between sec.1 and 6, T.8 N., R.5 E., Choctaw Meridian, Scott County, at bridge on county road, 1.0 mi (1.6 km) west of Ludlow.	77	1975-81	---	(a)	(t)
02484750	Red Cane Creek tributary near Pisgah, MS	Lat 32°28'05", long 89°47'55", on line between NE¼ sec.8 and NW¼ sec.9, T.7 N., R.5 E., Choctaw Meridian, Rankin County, at circular culvert on State Highway 43, 4.1 mi (6.6 km) east of Pisgah.	.10	1965-81	7- 1-81	4.02	34
02484760	Fannegusha Creek near Sand Hill, MS	Lat 32°30'20", long 89°48'45", in SW¼ sec.29, T.8 N., R.5 E., Choctaw Meridian, Rankin County, at bridge on county road, 3.9 mi (6.3 km) east of Sand Hill.	52.3	1975-81	3- 6-81	10.55	2,100
02485380	Hollybush Creek tributary No. 1 near Pisgah, MS	Lat 32°26'00", long 89°48'50", in NW¼ sec.20, T.7 N., R.5 E., Choctaw Meridian, Rankin County at culvert on State Highway 43, 7.2 mi (11.6 km) southeast of Pisgah.	.59	1965-81	5-20-81	5.67	232
02485392	Clear Creek tributary near Pelahatchie, MS	Lat 32°21'35", long 89°47'55", on line between SW¼ sec.16 and SE¼ sec.17, T.6 N., R.5 E., Choctaw Meridian, Rankin County, at circular culvert on State Highway 43, 3.3 mi (5.3 km) north of intersection of Highways 80 and 43 in Pelahatchie.	.12	1965-81	3- 4-81	3.57	10
02485650	Purple Creek at Jackson, MS	Lat 32°22'45", long 90°07'17", in NW¼ sec.8, T.6 N., R.2 E., Choctaw Meridian, Hinds County, at Colonial Country Club, 600 ft (183 m) above Old Canton Road bridge, and 1.5 mi (2.4 km) above mouth.	6.12	1952-81	7- 1-81	277.00	600
02485800	Eubanks Creek at Jackson, MS	Lat 32°20'15", long 90°09'40", in NE¼NW¼NE¼ sec.26, T.6 N., R.1 E., Choctaw Meridian, Hinds County, near right bank at downstream side of Wood Dale Drive bridge in Jackson, 1,600 ft (488 m) upstream from Interstate 55 (formerly U.S. Highway 51), and 1.3 mi (2.1 km) upstream from mouth. Prior to Oct. 1, 1959, at 1,600 ft (488 m) downstream at datum 0.74 ft (0.225 m) lower.	c3.21	1954-81	5-19-81	10.77	1,880

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations during water year 1981--Continued

Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum Gage height (feet)	Dis-charge (ft ³ /s)
Pearl River basin--Continued							
02485900	Neely Creek near Brandon, MS	Lat 32°17'58", long 90°03'44", in SW¼ sec.2, T.5 N., R.2 E., Choctaw Meridian, Rankin County, at culvert on New Airport Road, 5.4 mi (8.7 km) west of Brandon.	1.09	1965-81	5-19-81	4.46	180
02485950	Town Creek at Jackson, MS	Lat 32°17'35", long 90°11'06", in NW¼SW¼ sec.3, T.5 N., R.1 E., Choctaw Meridian, Hinds County, at bridge on Gallatin St. in Jackson, 300 ft (91 m) above Illinois Central Railroad.	11.4	1953-81	7- 1-81	9.92	2,180
02486100	Lynch Creek at Jackson, MS	Lat 32°17'15", long 90°13'00", in SE¼ sec.8, T.5 N., R.1 E., Choctaw Meridian, Hinds County, at bridge on Valley St. in Jackson, 2,000 ft (610 m) below U.S. Highway 80, and 2.0 mi (3.2 km) above mouth. Prior to Oct. 1, 1958, at site 2,000 ft (610 m) upstream.	12	1955-81	7- 1-81	14.90	3,450
02486115	Three Mile Creek at Jackson, MS	Lat 32°16'15", long 90°13'00", in NW¼SE¼ sec.17, T.5 N., R.1 E., Choctaw Meridian, Hinds County, 300 ft (91 m) downstream from old U.S. Highway 51 (Terry Road), 0.6 mi (1.0 km) above Illinois Central Railroad.	1.05	1962-81	7- 1-81	279.57	(†)
02487300	Strong River near Puckett, MS	Lat 32°04', long 89°45', in SE¼SE¼ sec.26, T.3 N., R.4 E., Choctaw Meridian, Rankin County, at State Highway 18, 2.0 mi (3.2 km) southeast of Puckett.	248	1958-81	4- 2-81	22.80	4,200
02487500	Strong River at D'Lo, MS	Lat 31°58'45", long 89°54'05", in SW¼ sec.28, T.2 N., R.4 E., Choctaw Meridian, Simpson County, on left bank at downstream side of old U.S. Highway 49, 0.2 mi (0.3 km) south of D'Lo.	425	1928-71†, 1972-81	4- 2-81	21.67	6,350
02487670	Boggans ditch near Mendenhall, MS	Lat 31°53'10", long 89°53'20", in NE¼NE¼NE¼ sec.33, T.1 N., R.4 E., Choctaw Meridian, Simpson County, at culvert on State Highway 13, 5.5 mi (8.8 km) south of Mendenhall. Prior to Oct. 1, 1964, at datum 1.27 ft (0.387 m) higher.	.94	1955-81	7- 1-81	5.43	317
02487900	Copiah Creek near Hazlehurst, MS	Lat 31°53'23", long 90°17'10", in SW¼SE¼ sec.27, T.1 N., R.1 W., Choctaw Meridian, Copiah County, at bridge on State Highway 28, 6.2 mi (10.0 km) east of Hazlehurst.	47.4	1948-65, 1966-68†, 1969-81	---	(a)	<3,600
02488340	Small Pine ditch near Monticello, MS	Lat 31°32'50", long 90°15'40", in SW¼NW¼ sec.25, T.7 N., R.9 E., Washington Meridian, Lawrence County, at culvert on U.S. Highway 84, 9.0 mi (14.5 km) west of Monticello. Prior to Oct. 1, 1964, at datum 0.84 ft (0.256 m) higher.	.16	1955-77 1981	2-12-81	5.23	104
02488550	Goines Draw near Prentiss, MS	Lat 31°47'00", long 89°52'40", in NE¼NW¼NE¼ sec.2, T.9 N., R.19 W., St. Stephens Meridian, Simpson County, at culvert on State Highway 13, 12.2 mi (19.6 km) north of Prentiss.	.34	1955-81	7- 2-81	2.79	94
02489030	Elmers Draw near Columbia, MS	Lat 31°12'00", long 89°58'00", in SE¼SE¼NW¼ sec.26, T.3 N., R.12 E., Washington Meridian, Marion County, at U.S. Highway 98, 5.7 mi (9.2 km) west of Columbia. Prior to Oct. 1, 1964, at datum 1.12 ft (0.341 m) higher.	.91	1955-81	3- 4-81	7.55	400

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1981--Continued

Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum Gage height (feet)	Dis-charge (ft ³ /s)
Pearl River basin--Continued							
02490550	Middle Fork Hickory Flat near Tylertown, MS	Lat 31°10', long 90°13', on line between secs.5 and 8, T.2 N., R.10 E., Washington Meridian, Walthall County, at culvert on U.S. Highway 98, 0.2 mi (0.3 km) above Fernwood, Columbia, and Gulf Railroad, and 5.5 mi (8.8 km) northwest of Tylertown. Prior to Oct. 1, 1964, at datum 10.95 ft (3.338 m) lower.	1.46	1953-81	4- 2-81	5.67	530
02492360	West Hobolochitto Creek near McNeill, MS	Lat 30°39'42", long 89°41'10", in NW¼NE¼ sec.34, T.4 S., R.17 W., St. Stephens Meridian, Pearl River County, at bridge on county road, 3.1 mi (5.0 km) west of McNeill	175	1966-68+ 1969-81	2-12-81	22.29	13,300
Yazoo River basin							
07267000	Hell Creek near New Albany, MS	Lat 34°30'55", long 89°03'10", in SW¼ sec.36, T.6 S., R.2 E., Chickasaw Meridian, Union County at bridge on U.S. Highway 78, 3.0 mi (4.8 km) northwest of New Albany, and 4.5 mi (7.2 km) above mouth.	27.3	1939-42+ 1952-81	---	(d)	(t)
07268500	Cypress Creek near Etta, MS	Lat 34°26', long 89°17', in SE¼ sec.27, T.7 S., R.1 W., Chickasaw Meridian, Lafayette County, at bridge on State Highway 30, 4.5 mi (7.2 km) southwest of Etta, and 5.0 mi (8.0 km) above mouth. Prior to Oct. 1, 1964, at datum 10.00 ft (3.048 m) higher.	8.5	1939-42+ 1952-81	---	(d)	(t)
07269000	North Tippah Creek near Ripley, MS	Lat 34°44', long 89°02', in SW¼ sec.18, T.4 S., R.3 E., Chickasaw Meridian, Tippah County, at bridge on State Highway 4, 2.0 mi (3.2 km) upstream from Tippah Creek, and 5.5 mi (8.8 km) west of Ripley.	20	1939-42+ 1952-81	---	(a)	(t)
07274250	Otocalofa Creek at Water Valley, MS (Prior to Oct. 1, 1972, published as Otuckalofa Cr.)	Lat 34°08'25", long 89°38'17", in SW¼ NE¼ sec.8, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, at bridge on State Highway 7, 0.9 mi (1.4 km) south of Water Valley, and 5.2 mi (8.4 km) above mouth.	84.1	1952-81	---	(a)	(t)
07275500	Long Creek at Courtland, MS	Lat 34°13'40", long 89°56'20", near center of sec.9, T.10 S., R.7 W., Chickasaw Meridian, Panola County, at bridge on U.S. Highway 51, 1.0 mi (1.6 km) south of Courtland, 5.5 mi (8.8 km) above mouth, and 6.0 mi (9.7 km) south of Batesville.	66.2	1940-43+ 1952-81	---	(a)	(t)
07283490	Caney Creek near Coffeeville, MS	Lat 33°55'40", long 89°38'20", in SE¼ NE¼SW¼ sec.23, T.24 N., R.6 E., Choctaw Meridian, Yalobusha County, at culvert on State Highway 330, 4.2 mi (6.7 km) east of Coffeeville. Prior to Oct. 1, 1964, at datum 8.88 ft (2.707 m) lower.	1.97	1955-81	6- 3-81	6.08	(t)
07285700	Long Creek near Cascilla, MS	Lat 33°51'40", long 89°59'05", in NE¼ sec.16, T.23 N., R.3 E., Choctaw Meridian, Tallahatchie County, at culvert on county highway, 1.1 mi (1.8 km) east of Cascilla.	1.64	1965-81	3- 4-81	5.70	423
07286520	Big Sand Creek tributary near North Carrollton, MS	Lat 33°31'30", long 89°52'50", on line between SE¼ and NE¼ sec.9, T.19 N., R.4 E., Choctaw Meridian, Carroll County, at 3.0 ft (0.91 m) corrugated pipe on county highway 2.4 mi (3.9 km) east of North Carrollton.	.09	1965-81	6- 3-81	5.31	41
07287165	Mosquito Lake tributary No. 1 at Itta Bena, MS	Lat 33°28'55", long 90°19'30", in SE¼ NW¼ sec.29, T.19 N., R.1 W., Choctaw Meridian, Leflore County, on State Highway 7, 0.5 mi (0.8 km) south of compress at Itta Bena.	.11	1966-81	6- 3-81	4.69	58

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations during water year 1981--Continued

Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum Gage height (feet)	Dis-charge (ft ³ /s)
Yazoo River basin--Continued							
07287170	Mosquito Lake tributary No. 2 at Itta Bena, MS	Lat 33°28'45", long 90°19'20", in NE¼ NW¼ sec.29, T.19 N., R.1 W., Choctaw Meridian, Leflore County, on State Highway 7, 0.8 mi (1.3 km) south of compress at Itta Bena.	.13	1966-81	10-27-80	5.00	110
07287350	Fannegusha Creek near Tchula, MS	Lat 33°10'00", long 90°10'12", on line between secs.11 and 14, T.15 N., R.1 E., Choctaw Meridian, Holmes County, on State Highway 12, 3.0 mi (4.8 km) east of Tchula.	100	1953-65e 1968-81	---	(a)	(1)
Big Black River basin							
07289265	Hays Creek tributary No. 1 near Vaiden, MS	Lat 33°23'10", long 89°45'40", in NE¼NW¼ sec.34, T.18 N., R.5 E., Choctaw Meridian, Carroll County, at bridge on U.S. Highway 51, 3.9 mi (6.2 km) north of Vaiden.	14	1975-81	4- 2-81	25.86	1,810
07289395	Sharkey Creek tributary near West, MS	Lat 33°08'45", long 89°44'30", in NW¼ sec.24, T.15 N., R.5 E., Choctaw Meridian, Attala County, at culvert on State Highway 19, 4.7 mi (7.6 km) southeast of West.	.30	1967-81	---	(d)	(1)
07289470	Tacketts Creek tributary near Pickens, MS	Lat 32°56', long 89°58', on line between NE¼ and SE¼ sec.34, T.13 N., R.3 E., Choctaw Meridian, Holmes County, at culvert on State Highway 17, 3.6 mi (5.8 km) north of Pickens.	.15	1965-81	4- 2-81	5.94	151
07289600	Tilda Bogue near Canton, MS	Lat 32°39'15", long 90°00'50", in SW¼ sec.5, T.9 N., R.3 E., Choctaw Meridian, Madison County, at bridge on U.S. Highway 51, 3.0 mi (4.8 km) north of Canton, and 3.5 mi (5.6 km) above mouth.	24.4	1948-81	7- 1-81	17.43	2,400
07289641	Panther Creek tributary near Flora, MS	Lat 32°34'00", long 90°10'05", in SW¼ sec.2, T.8 N., R.1 E., Choctaw Meridian, Madison County, at culvert on State Highway 22, 8.3 mi (13.4 km) northeast of Flora.	.07	1965-81	6- 3-81	4.86	77
07290005	Clear Creek near Bovina, MS	Lat 32°21'42", long 90°43'32", in SW¼ sec.17, T.6 N., R.5 W., Choctaw Meridian, Warren County, on county road, 1.0 mi (1.6 km) northeast of Bovina.	136	1953-81	---	(a)	(1)
Bayou Pierre basin							
07290525	Whiteoak Creek tributary near Utica, MS	Lat 32°04'00", long 90°31'35", in SE¼ sec.29, Choctaw Meridian, Hinds County at culvert on State Highway 27, 6.3 mi (10.1 km) southeast of Utica.	1.36	1965-81	6- 3-81	9.95	970
07290690	Clarks Creek near Pattison, MS	Lat 31°53'40", long 90°50'40", in lot 35, T.11 N., R.4 E., Washington Meridian, Claiborne County, at bridge on county highway, 1.3 mi (2.1 km) above mouth, and 2.5 mi (4.0 km) east of Pattison.	77.4	1961-62+, 1963-81	3- 4-81	14.65	5,650
07290830	Little Creek near Fayette, MS	Lat 31°40'30", long 91°04'10", in SE corner of irregular section 24, T.8 N., R.1 E., Washington Meridian, Jefferson County, at culvert on State Highway 33, 2.0 mi (3.2 km) south of Fayette.	1.71	1967-81	7- 1-81	7.41	465
07290870	Coles Creek near Fayette, MS	Lat 31°45'55", long 91°11'30", in lot 21, T.9 N., R.1 W., Washington Meridian, Jefferson County, at bridge on county highway, 0.7 mi (1.1 km) below confluence of North and South Forks of Coles Creek, and 10.0 mi (16.1 km) northwest of Fayette.	257	1961-62+, 1963-81	3- 4-81	23.07	28,200

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1981--Continued

Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum Gage height (feet)	Dis-charge (ft ³ /s)
Homochitto River basin							
07291250	McCall Creek near Lucien, MS	Lat 31°30'24", long 90°38'45", in SW¼, sec.6, T.6 N., R.6 E., Washington Meridian, Franklin County, at U.S. Highway 84, 0.8 mi (1.3 km) east of Lucien.	f60	1953, 1955-81	7- 2-81	84.79	9,400
Thompson Creek basin							
07373550	Moore's Branch near Woodville, MS	Lat 31°05'20", long 91°14'30", in SE¼SW¼ sec.32, T.2 N., R.1 W., Washington Meridian, Wilkinson County, at State Highway 24, 3.3 mi (5.3 km) east of Woodville. Prior to Oct. 1, 1964, at datum 0.88 ft (0.268 m) lower.	.21	1955-81	3- 4-81	5.92	264
Mississippi River Delta							
07375235	Tangipahoa River tributary near McComb, MS	Lat 31°12'30", long 90°31'40", in NE¼SE¼ sec.19, T.3 N., R.7 E., Washington Meridian, Pike County, on State Highway 24, 4.8 mi (7.7 km) southwest of McComb.	2.71	1966-81	10-28-80	6.40	650
07376760	CRS Draw near Liberty, MS	Lat 31°06'50", long 90°54'10", in SW¼NW¼NW¼ sec.32, T.2 N., R.3 E., Washington Meridian, Amite County, on State Highway 48, 6.6 mi (10.6 km) west of intersection with Highway 24 in Liberty.	.80	1966-81	10-28-80	7.25	398

† Discharge not determined.

‡ Operated as a continuous-record gaging station.

a Peak stage did not reach bottom of gage.

b Gage heights and discharge measurements in files of Corps of Engineers.

c Total drainage area 5.19 mi² (13.4 km²)

d High-water mark was not determined.

e Published at site near Howard, 3 mi (5 km) downstream.

f Approximately.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations are given in the following table. Those that are measurements of base flow are designated by an asterisk (*); measurements of peak flow by a dagger (†).

Discharge measurements made at miscellaneous sites during water year 1981

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Mobile River basin						
Black Branch	Mackeys Creek	Lat 34°39'53", long 88°15'00", in N½ sec.8, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County on Illinois Central Railroad bridge, 0.5 mi (0.8 km) north of Paden, MS.	1.45	1972, 1974-78, 1980	9-22-81	0.27
Sandy Hook Creek	Mackeys Creek	Lat 34°38'16", long 88°17'06", in NE¼ sec.19, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 1.8 mi (2.9 km) southwest of Paden, MS.	1.25	1972, 1974-78, 1980	9-22-81	.44
Nichols Creek	Tombigbee River	Lat 33°48'53", long 88°29'20", in SW¼ sec.25, T.14 S., R.19 W., Huntsville Meridian, Monroe County, on U.S. Highway 45, 3.2 mi (5.1 km) southeast of Aberdeen, MS.	24.1	1977-79, 1980	10-22-80 11- 5-80 2- 4-81 8- 6-81 9- 8-81 10-14-81 11- 4-81	8.92 13.3 30.2 1.32 3.13 4.94 5.10
Little Noxubee River	Noxubee River	Lat 33°12'15", long 89°02'05", in SW¼ sec.35, T.16 N., R.12 E., Choctaw Meridian, Winston County, on county road, 3.1 mi (5.0 km) west of Webster, MS.	23.8		8-31-81	2.37
Mill Creek	Noxubee River	Lat 33°11'51", long 88°59'40", in NW¼ sec.32, T.16 N., R.13 E., Choctaw Meridian, Winston County on State Highway 25, 6.3 mi (10.1 km) north northeast of Louisville, MS.	24.6		8-31-81	6.53
Moody Creek	Noxubee River	Lat 33°02'40", long 88°48'32", in SE¼ sec.24, T.14 N., R.14 E., Choctaw Meridian, Winston County, on State Highway 490, 3.0 mi (4.8 km) northeast of Fearn Springs, MS.	17.9		8-31-81	9.29
Wahalak Creek	Noxubee River	Lat 32°53'42", long 88°32'19", in NE¼ sec.15, T.12 N., R.17 E., Choctaw Meridian, Kemper County, on county road, 1.0 mi (1.6 km) southwest of Wahalak, MS.	27.5		8-25-80	*0
Pawticfaw Creek	Sucarnoochee River	Lat 32°39'50", long 88°40'30", in NE¼ sec.5, T.9 N., R.16 E., Choctaw Meridian, Kemper County, on State Highway 39, 3.0 mi (4.8 km) south of Brown Ridge Church, and 3.1 mi (5.0 km) north of Blackwater, MS.	34.7		8-27-81	8.50
Blackwater Creek	Sucarnoochee River	Lat 32°36'20", long 88°40'52", in NE¼ sec.29, T.9 N., R.16 E., Choctaw Meridian, Kemper County, on State Highway 39, 0.9 mi (1.4 km) south of Blackwater, MS.	11.4		8-27-81	*.20

See footnotes at end of table.

Discharge measurements made at miscellaneous sites during water year 1981--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Pascagoula River basin						
Okatoma Creek	Bowie Creek	Lat 31°33'45", long 89°30'15", in NE¼ sec.21, T.7 N., R.15 W., St. Stephens Meridian, Covington County, on State Highway 590, 0.1 mi (0.2 km) west of Seminary, MS.	204	1961, 1972, 1980	10-15-80 11-24-80	94.2 479
Houston Creek	Okatihee Creek	Lat 32°36'08", long 88°51'38", in NW¼ sec.27, T.9 N., R.14 E., Choctaw Meridian, Kemper County, on county road, 3.7 mi (6.0 km) north of Martin, MS.	11.1		8-28-80	*0
Black Creek	Pascagoula River	Lat 31°11'25", long 89°22'36", in SW¼ sec.26, T.3 N., R.14 W., St. Stephens Meridian, Lamar County, at bridge on U.S. Highway 11, 4.0 mi (6.4 km) northwest of Purvis, MS.	171	1957-70a, 1975-79, 1980	10-14-80 11-21-80 9-18-81	58.1 120 145
Pearl River basin						
Nanaway Creek	Pearl River	Lat 32°55'10", long 88°56'56", in NE¼ sec.3, T.12 N., R.13 E., in Choctaw Meridian, Winston County, on county road, 2.3 mi (3.7 km) west northwest of Coy, MS.	133		8-25-80	*0
Bogue Chitto	Nanaway Creek	Lat 32°52'52", long 88°56'22", in NW¼ sec.23, T.12 N., R.13 E., Choctaw Meridian, Neshoba County, at bridge on State Highway 21, 3.0 mi (4.8 km) northeast of Bond, MS.	89.8	1953-54, 1956, 1962, 1979, 1980	8-25-80	*0
Spring Creek	Pearl River	Lat 32°49'40", long 89°00'40", in SW¼ sec.6, T.11 N., R.13 E., Choctaw Meridian, Neshoba County, on county road, 2.5 mi (4.0 km) southwest of Bond, MS.	2.81		8-26-81	.16
Jofuska Creek	Pearl River	Lat 32°51'08", long 89°11'30", NW¼ sec.32, T.12 N., R.11 E., Choctaw Meridian, Neshoba County, on county road, 1.8 mi (2.9 km) southwest of Arlington, MS.	18.9		8-26-81	*1.28
Coonshuck Canal	Pearl River	Lat 32°40'22", long 89°06'38", in SW¼ sec.31, T.10 N., R.12 E., Choctaw Meridian, Neshoba County, on county road, 7.9 mi (12.7 km) west of House, MS.	17.3		8-25-81	.83
Fulton Canal	Pearl River	Lat 32°39'24", long 89°07'40", in SW¼ sec.1, T.9 N., R.11 E., Choctaw Meridian, Neshoba County, on county road, 0.2 mi (0.3 km) southeast of McDonald, MS.	23.3		8-25-81	*1.66
Lonsilocher Canal	Pearl River (Published pre- viously as Lonsilocka Creek)	Lat 32°42'48", long 89°09'00", in SE¼ sec.15, T.10 N., R.11 E, Choctaw Meridian Neshoba County, on State Highway 15, 4.5 mi (7.2 km) south of Philadelphia, MS.	16.7	1952-54, 1956, 1959-60, 1970-71	8-25-81	* .39
Lukfapa Creek	Pearl River	Lat 32°51'44", long 89°16'46", in SE¼ sec.28, T.12 N., R.10 E., Choctaw Meridian, Neshoba County, on county road, 5.6 mi (9.0 km) west of Arlington, MS.	16.5		8-26-81	* .67
Beasha Creek	Pearl River	Lat 32°44'24", long 89°15'24", in SE¼ sec.3, T.10 N., R.10 E., Choctaw Meridian, Neshoba County, on State Highway 488, 3.4 mi (5.5 km) east of Laurel Hill, MS.	21.6		8-25-81	*1.05

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 1981--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Pearl River basin--Continued						
Luneluah Creek	Pearl River	Lat 32°44'00", long 89°18'36", in NW¼ sec.7, T.10 N., R. 10 E., Choctaw Meridian, Neshoba County, on State Highway 488, 0.3 mi (0.5 km) east of Laurel Hill, MS.	14.7		8-24-81	0.57
Lobutchah Creek	Pearl River	Lat 33°06'16", long 89°15'02", in NE¼ sec.3, T.14 N., R.10 E., Choctaw Meridian, Winston County, on county road, 3.4 mi (5.5 km) northeast of Rural Hill, MS.	42.2		8-28-81	.63
Sipsey Creek	Pearl River	Lat 32°36'40", long 89°14'42", in SW¼ sec.23, T.9 N., R.10 E., Choctaw Meridian, Neshoba County on county road, 4.1 mi (6.6 km) south of Dixon, MS.	18.0		8-24-81	.63
Pearl River	Gulf of Mexico	Lat 31°14'14", long 89°50'54", 5,690 in E½ sec.7, T.3 N., R.18 W., St. Stephens Meridian, Marion County, at bridge on U.S. Highway 98, 1.5 mi (2.4 km) southwest of Columbia, MS.		1928-54†, 10- 7-80 1955, 11-19-80 1958, 6- 9-81 1960-64, 9- 4-81 1966-67, 10- 5-81 1972, 1974, 1979, 1980		1500 7100 2800 2200 858
Tennessee River basin						
Little Yellow Creek	Yellow Creek	Lat 34°47'06", long 88°16'45", in SE¼ sec.30, T.3 S., R.10 E., Chicksaw Meridian, Tishomingo County, on county road, 3.5 mi (5.6 km) east of Holts Spur, MS.	7.14	1980	9-22-81	1.18
Yazoo River basin						
Muddy Bayou Site 2	Dowd Creek	Lat 31°52'12", long 91°08'24", on border between secs.7-8, T.10 N., R.1 E., Washington Meridian, Claiborne County, below Alcorn Lake at Alcorn, MS.	--		3-17-81 4-22-81 5- 7-81 7- 2-81	.05 .01 .01 .70
Muddy Bayou	Dowd Creek	Lat 31°50'44", long 91°09'32", in SW¼ sec.13, T.10 N., R.1 W., Washington Meridian, Jefferson County, on county road, 2.5 mi (4.0 km) east southeast of Rodney, MS.	--		3-17-81 7- 2-81	.01 .72

† Operated as a continuous-record station.

a Operated as CSG.

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

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Water-quality partial-record stations are particular sites where chemical-quality, biological and/or sediment data are collected systematically over a period of years for use in hydrologic analyses. The data are collected usually less than quarterly.

DATE	TIME	STREAM- FLOW, INSTAN- TANFOUS (CFS)	SPE- CTIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- CORALT UNITS)	TUR- BID- IDY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	HARD- NESS (MG/L AS CACO3)	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)
02429975 - BLACK BRANCH AT PADEN, MS. (LAT 34 39 53 LONG 088 16 11)												
SEP , 1981 22...	1200	.27	76	6.8	21.5	4	3.4	9.3	<10	29	.00	10
02429985 - SANDY HOOK CREEK NR PADEN, MS. (LAT 34 38 16 LONG 088 17 06)												
SEP , 1981 22...	1045	.44	28	6.4	16.0	4	3.4	9.4	<10	9	.00	1.9
03592708 - LITTLE YELLOW CREEK NR HOLTS SPUR, MS. (LAT 34 47 06 LONG 088 16 45)												
SEP , 1981 22...	0915	1.2	28	6.3	14.5	30	14	9.0	<10	7	.00	1.6

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE- RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
02429975 - BLACK BRANCH AT PADEN, MS. (LAT 34 39 53 LONG 088 16 11)												
SEP , 1981 22...	.020	.02	.20	.22	.37	1.6	.010	.03	.040	520	440	80
02429985 - SANDY HOOK CREEK NR PADEN, MS. (LAT 34 38 16 LONG 088 17 06)												
SEP , 1981 22...	.020	.02	.18	.20	.31	1.4	<.010	--	.020	560	420	140
03592708 - LITTLE YELLOW CREEK NR HOLTS SPUR, MS. (LAT 34 47 06 LONG 088 16 45)												
SEP , 1981 22...	.020	.02	.30	.32	.41	1.8	.020	.06	.030	1400	1300	110

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINEITY LAB (MG/L AS CAC13)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
	02429975 - BLACK BRANCH AT PADEN, MS. (LAT 34 39 53 LONG 088 16 11)											
SEP , 1981 22...	1.0	1.2	8	.1	.9	35	.9	1.0	58	.08	.04	.15
	02429985 - SANDY HOOK CREEK NR PADEN, MS. (LAT 34 38 16 LONG 088 17 06)											
SEP , 1981 22...	1.0	2.7	37	.4	.9	11	1.7	5.4	43	.06	.05	.11
	03592708 - LITTLE YELLOW CREEK NR HOLTS SPUR, MS. (LAT 34 47 06 LONG 088 16 45)											
SEP , 1981 22...	.8	1.2	23	.2	1.0	16	1.3	1.0	40	.05	.13	.09

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SEDI- MENT, SUS- PENDE (MG/L)	DIS- CHARGE, SUS- PENDE (T/DAY)
	02429975 - BLACK BRANCH AT PADEN, MS. (LAT 34 39 53 LONG 088 16 11)										
SEP , 1981 22...	3	0	3	30	0	30	.5	.4	.1	12	.01
	02429985 - SANDY HOOK CREEK NR PADEN, MS. (LAT 34 38 16 LONG 088 17 06)										
SEP , 1981 22...	4	1	3	40	0	50	.2	.0	.2	15	.02
	03592708 - LITTLE YELLOW CREEK NR HOLTS SPUR, MS. (LAT 34 47 06 LONG 088 16 45)										
SEP , 1981 22...	3	0	3	70	0	70	5.2	4.9	.3	19	.06

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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Samples are collected at sites other than gaging stations and partial-record stations to give better areal coverage in a river basin. Such sites are referred to as miscellaneous sites.

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHQS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- IDY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
02447085 - LITTLE NOXUBEE RIVER NR WEBSTER, MS (LAT 33 12 15 LONG 089 02 05)											
AUG , 1981											
31...	1530	2.4	77	6.9	24.0	42	14	6.8	21	4.3	2.5
02447090 - MILL CREEK NR LOUISVILLE, MS (LAT 33 11 51 LONG 088 59 40)											
AUG , 1981											
31...	1300	6.5	28	6.8	24.0	34	10	8.1	4	.8	.4
02447755 - MOODY CREEK NR FERN SPRINGS, MS (LAT 33 02 41 LONG 088 49 02)											
AUG , 1981											
31...	1030	9.3	27	6.3	24.0	25	9.1	8.3	3	.5	.4
02467240 - PAWICFAW CREEK NR BLACKWATER, MS (LAT 32 39 50 LONG 088 40 31)											
AUG , 1981											
27...	1300	8.5	48	6.7	23.5	40	10	7.6	13	2.4	1.6
02467310 - BLACKWATER CREEK NR KLONDIKE, MS (LAT 32 36 18 LONG 088 40 52)											
AUG , 1981											
27...	1030	.20	85	6.8	24.5	50	15	5.4	23	4.4	2.8
02481865 - SPRING CREEK NR BOND, MS (LAT 32 49 39 LONG 089 00 41)											
AUG , 1981											
26...	1000	.16	44	6.6	22.5	100	35	3.8	9	1.8	1.2
02481892 - JOFUSKA CREEK NR ARLINGTON, MS (LAT 32 51 08 LONG 089 11 29)											
AUG , 1981											
26...	1330	1.3	24	6.6	24.0	50	19	7.8	6	1.1	.7
02481911 - COONSHUCK CANAL NR HOUSE, MS (LAT 32 40 22 LONG 089 06 39)											
AUG , 1981											
25...	1600	.83	56	7.0	24.5	50	18	8.0	15	3.2	1.8
02481920 - FULTON CANAL AT McDONALD, MS (LAT 32 39 27 LONG 089 07 41)											
AUG , 1981											
25...	1400	1.7	77	7.6	25.5	20	6.5	8.0	24	6.0	2.2
02481930 - LONSILOCHER CANAL NR PHILADELPHIA, MS (LAT 32 42 49 LONG 089 08 59)											
AUG , 1981											
25...	1130	.39	100	7.6	24.0	30	6.0	8.2	31	8.0	2.6

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DATE	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	SOLIDS, VOLA- TILE, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)
02447085 - LITTLE NOXUBEE RIVER NR WEBSTER, MS (LAT 33 12 15 LONG 089 02 05)											
AUG , 1981 31...	4.7	30	.4	2.0	4.7	4.3	58	.08	.38	18	--
02447090 - MILL CREEK NR LOUISVILLE, MS (LAT 33 11 51 LONG 088 59 40)											
AUG , 1981 31...	2.3	52	.5	.7	.7	2.8	14	.02	.25	14	.12
02447755 - MOODY CREEK NR FERN SPRINGS, MS (LAT 33 02 41 LONG 088 49 02)											
AUG , 1981 31...	2.6	61	.7	.6	.8	3.3	16	.02	.40	12	.21
02467240 - PAWICFAW CREEK NR BLACKWATER, MS (LAT 32 39 50 LONG 088 40 31)											
AUG , 1981 27...	3.4	33	.4	1.8	4.4	2.8	49	.07	1.1	14	.03
02467310 - BLACKWATER CREEK NR KLUNDIKE, MS (LAT 32 36 18 LONG 088 40 52)											
AUG , 1981 27...	5.0	30	.5	2.4	6.8	4.2	79	.11	.04	27	--
02481865 - SPRING CREEK NR BOND, MS (LAT 32 49 39 LONG 089 00 41)											
AUG , 1981 26...	2.3	29	.3	2.1	.5	3.1	37	.05	.02	15	.25
02481892 - JOFUSKA CREEK NR ARLINGTON, MS (LAT 32 51 08 LONG 089 11 29)											
AUG , 1981 26...	1.7	36	.3	.7	1.7	2.6	32	.04	.11	16	--
02481911 - COONSHUCK CANAL NR HOUSE, MS (LAT 32 40 22 LONG 089 06 39)											
AUG , 1981 25...	2.6	24	.3	2.3	4.7	4.0	56	.08	.13	18	--
02481920 - FULTON CANAL AT MCDONALD, MS (LAT 32 39 27 LONG 089 07 41)											
AUG , 1981 25...	3.0	20	.3	1.7	6.1	6.2	63	.09	.29	25	--
02481930 - LONSILOCHER CANAL NR PHILADELPHIA, MS (LAT 32 42 49 LONG 089 08 59)											
AUG , 1981 25...	3.7	19	.3	2.8	7.1	6.4	80	.11	.08	35	--

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)
02447085 - LITTLE NOXUBEE RIVER NR WEBSTER, MS (LAT 33 12 15 LONG 089 02 05)											
AUG , 1981 31...	<.010	.14	<1	<1	3	<10	2	2100	2000	150	2900
02447090 - MILL CREEK NR LOUISVILLE, MS (LAT 33 11 51 LONG 088 59 40)											
AUG , 1981 31...	.010	.13	<1	<1	5	<10	1	1600	1700	90	2300
02447755 - MOODY CREEK NR FERN SPRINGS, MS (LAT 33 02 41 LONG 088 49 02)											
AUG , 1981 31...	.020	.23	<1	<1	3	<10	2	2400	2300	70	2500
02467240 - PAWICAW CREEK NR BLACKWATER, MS (LAT 32 39 50 LONG 088 40 31)											
AUG , 1981 27...	.010	.04	<1	<1	<10	<10	1	1400	1300	90	1000
02467310 - BLACKWATER CREEK NR KLONDIKE, MS (LAT 32 36 18 LONG 088 40 52)											
AUG , 1981 27...	<.010	.05	<1	<1	<10	10	1	2200	1500	720	1700
02481865 - SPRING CREEK NR BOND, MS (LAT 32 49 39 LONG 089 00 41)											
AUG , 1981 26...	.020	.27	<1	<1	<10	<10	2	2700	2600	70	550
02481892 - JOFUSKA CREEK NR ARLINGTON, MS (LAT 32 51 08 LONG 089 11 29)											
AUG , 1981 26...	<.010	.15	<1	<1	<10	<10	<1	2100	2100	50	590
02481911 - COONSHUCK CANAL NR HOUSE, MS (LAT 32 40 22 LONG 089 06 39)											
AUG , 1981 25...	<.010	.30	1	<1	<10	<10	1	1800	1700	100	700
02481920 - FULTON CANAL AT McDONALD, MS (LAT 32 39 27 LONG 089 07 41)											
AUG , 1981 25...	<.010	.41	1	<1	<10	10	1	790	480	310	310
02481930 - LONSILOCHER CANAL NR PHILADELPHIA, MS (LAT 32 42 49 LONG 089 08 59)											
AUG , 1981 25...	<.010	.31	<1	<1	<10	<10	1	1300	640	660	390

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PH)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MP)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SELF- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
	02447085 - LITTLE NOXUBEE RIVER NR WEBSTER, MS (LAT 33 12 15 LONG 089 02 05)										
AUG , 1981 31...	<10	250	0	250	140	<.01	<1	<10	2.8	19	.12
	02447090 - MILL CREEK NR LOUISVILLE, MS (LAT 33 11 51 LONG 088 59 40)										
AUG , 1981 31...	<10	80	20	60	110	<.01	<1	<10	3.3	24	.42
	02447755 - MOODY CREEK NR FERN SPRINGS, MS (LAT 33 02 41 LONG 088 49 02)										
AUG , 1981 31...	<10	60	20	40	290	<.01	<1	<10	1.9	38	.95
	02467240 - PAWICFAW CREEK NR BLACKWATER, MS (LAT 32 39 50 LONG 088 40 31)										
AUG , 1981 27...	<10	130	0	130	180	<.01	<1	4	1.3	14	.32
	02467310 - BLACKWATER CREEK NR KLONDIKE, MS (LAT 32 36 18 LONG 088 40 52)										
AUG , 1981 27...	<10	320	0	320	230	<.01	<1	10	4.6	18	.01
	02481865 - SPRING CREEK NR BOND, MS (LAT 32 49 39 LONG 089 00 41)										
AUG , 1981 26...	<10	340	50	290	51	<.01	<1	3	4.1	38	.02
	02481892 - JOFUSKA CREEK NR ARLINGTON, MS (LAT 32 51 08 LONG 089 11 29)										
AUG , 1981 26...	<10	120	20	100	110	<.01	<1	4	1.9	24	.08
	02481911 - COONSHUCK CANAL NR HOUSE, MS (LAT 32 40 22 LONG 089 06 39)										
AUG , 1981 25...	<10	170	10	160	230	<.01	<1	4	2.2	20	.04
	02481920 - FULTON CANAL AT McDONALD, MS (LAT 32 39 27 LONG 089 07 41)										
AUG , 1981 25...	<10	80	10	70	230	<.01	<1	3	.9	16	.07
	02481930 - LONSILOCHER CANAL NR PHILADELPHIA, MS (LAT 32 42 49 LONG 089 08 59)										
AUG , 1981 25...	<10	330	0	330	180	<.01	<1	2	1.9	16	.02

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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DATE	TIME	STREAM- FLOW, INSTAN- TANFOUS (CFS)	SPF- CTIFIC CON- DUCT- ANCE (UMHDS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- CORALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	
			02481967	- LUKFAPA CREEK NR ARLINGTON, MS (LAT 32 51 42 LONG 089 16 22)								
AUG , 1981	26...	1600	.67	30	6.7	23.5	50	7.5	7.4	8	1.7	1.0
			02481986	- BEASHA CREEK NR LAUREL HILL, MS (LAT 32 44 24 LONG 089 15 24)								
AUG , 1981	25...	0930	1.0	55	6.9	22.5	50	17	7.8	16	3.8	1.7
			02481995	- LUNELUAH CREEK AT LAUREL HILL, MS (LAT 32 44 00 LONG 089 18 35)								
AUG , 1981	24...	1700	.57	33	7.0	26.0	70	24	7.0	8	1.7	.9
			02482292	- LOBUTCHA CREEK NR RURAL HILL, MS (LAT 33 06 16 LONG 089 15 02)								
AUG , 1981	28...	0930	.63	51	5.8	23.5	60	10	4.5	13	2.6	1.6
			02482715	- SIPSEY CREEK NR DIXON, MS (LAT 32 36 40 LONG 089 14 42)								
AUG , 1981	24...	1330	.63	38	7.3	24.0	50	16	7.5	12	2.6	1.3
DATE		NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, - RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)
			02481967	- LUKFAPA CREEK NR ARLINGTON, MS (LAT 32 51 42 LONG 089 16 22)								
AUG , 1981	26...	<.010	.08	<1	<1	<10	<10	<1	1600	1400	180	340
			02481986	- BEASHA CREEK NR LAUREL HILL, MS (LAT 32 44 24 LONG 089 15 24)								
AUG , 1981	25...	.010	.28	<1	<1	<10	<10	<1	1500	1100	430	200
			02481995	- LUNELUAH CREEK AT LAUREL HILL, MS (LAT 32 44 00 LONG 089 18 35)								
AUG , 1981	24...	<.010	.12	<1	<1	<10	<10	<1	1800	1600	170	230
			02482292	- LOBUTCHA CREEK NR RURAL HILL, MS (LAT 33 06 16 LONG 089 15 02)								
AUG , 1981	28...	<.010	.06	1	<1	<10	<10	1	1800	1600	220	430
			02482715	- SIPSEY CREEK NR DIXON, MS (LAT 32 36 40 LONG 089 14 42)								
AUG , 1981	24...	.010	.28	<1	<1	<10	<10	<1	1900	1800	70	440

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	SEL- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
		02481967	- LUKFAPA CREEK NR ARLINGTON, MS (LAT 32 51 42 LONG 089 16 22)								
AUG , 1981 26...	<10	150	30	120	70	<.01	<1	3	2.8	17	.03
		02481986	- REASHA CREEK NR LAUREL HILL, MS (LAT 32 44 24 LONG 089 15 24)								
AUG , 1981 25...	<10	110	10	100	82	<.01	<1	2	1.9	14	.04
		02481995	- LUNELUAH CREEK AT LAUREL HILL, MS (LAT 32 44 00 LONG 089 18 35)								
AUG , 1981 24...	<10	170	20	150	42	<.01	<1	2	2.4	24	.04
		02482292	- LOBUTCHA CREEK NR RURAL HILL, MS (LAT 33 06 16 LONG 089 15 02)								
AUG , 1981 28...	<10	520	10	510	--	<.01	<1	5	5.5	10	.02
		02482715	- SIPSEY CREEK NR DIXON, MS (LAT 32 36 40 LONG 089 14 42)								
AUG , 1981 24...	<10	180	30	150	89	<.01	<1	7	1.7	16	.03

Stations for short-term water-quality studies were established on selected stream reaches and estuaries to collect water-quality data systematically over a short-term period for use in hydrologic analysis. These data are collected during intensive water-quality studies generally conducted at lower stream discharge and higher stream temperature. Data for estuary studies generally are collected once or twice daily at near high and near low tides.

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS

30295408#344000 - PASCAGOULA RIVER AT MI 14

024793409

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAM- PLING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SFP						
08...	1930	1.00	60	6.0	29.0	5.7
08...	1931	5.00	60	6.0	29.0	5.6
08...	1932	10.0	60	6.0	29.0	5.7
08...	1933	15.0	60	6.0	29.0	5.5
08...	1934	20.0	60	5.9	29.0	5.5
08...	1935	24.0	60	5.9	29.0	5.5
09...	1000	1.00	60	6.7	28.5	6.3
09...	1001	5.00	60	6.6	28.5	5.8
09...	1002	10.0	60	6.5	28.5	5.6
09...	1003	15.0	60	6.4	28.5	5.5

02479341 - PASCAGOULA RIVER AT MI 13 NR COLL TOWN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAM- PLING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SFP						
08...	1925	1.00	100	6.7	28.5	6.6
08...	1926	5.00	100	6.4	28.5	5.8
08...	1927	10.0	100	6.3	28.5	5.6
08...	1928	13.0	100	6.3	28.5	5.6
09...	0955	1.00	100	7.0	28.5	6.5
09...	0956	5.00	200	6.8	28.5	5.8
09...	0957	10.0	4300	6.7	28.5	4.8
09...	0958	13.0	4300	6.7	28.5	4.8

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES
PASCAGOULA AND ESCATANPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02479342 - PASCAGOULA RIVER AT MI 12 NE COLL TOWN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAM- PLING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (UMHDS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
08...	1915	1.00	800	6.5	28.5	6.2
08...	1916	5.00	1100	6.5	28.5	5.8
08...	1917	10.0	1700	6.4	28.5	5.5
08...	1918	15.0	31900	7.0	29.0	.5
08...	1919	20.0	34700	7.0	29.0	.2
08...	1920	25.0	35100	7.3	29.0	.2
08...	1921	27.0	35100	7.3	29.0	.2
09...	0945	1.00	700	7.2	28.5	5.9
09...	0946	5.00	700	7.0	28.5	5.6
09...	0947	10.0	12900	6.8	28.5	3.2
09...	0948	15.0	30000	7.2	29.0	.2
09...	0949	20.0	33300	7.4	29.0	.1
09...	0950	25.0	35100	7.4	29.0	.1
09...	0951	30.0	35300	7.4	29.0	.1
09...	0952	35.0	35300	7.4	29.0	.1

30282208332500 - PASCAGOULA RIVER AT MI 11

024793422

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAM- PLING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (UMHDS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
08...	1910	1.00	1400	6.7	28.5	6.2
08...	1911	5.00	1600	6.6	29.0	5.9
08...	1912	10.0	2700	6.5	29.0	5.4
08...	1913	14.0	2700	6.5	29.0	5.4
09...	0940	1.00	1100	7.2	28.0	6.0
09...	0941	5.00	1100	6.9	28.0	5.5
09...	0942	10.0	18400	7.0	28.5	2.0
09...	0943	15.0	31900	7.4	29.0	.3
09...	0944	20.0	33600	7.4	29.0	.1

302725088333700 - PASCAGOULA RIVER AT MI 10

024793427

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAM- PLING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (UMHDS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
08...	1905	1.00	1600	6.9	28.5	6.1
08...	1906	5.00	2200	6.7	29.5	5.7
08...	1907	10.0	3500	6.7	29.0	5.2
08...	1908	13.0	3500	6.7	29.0	5.2
09...	0935	1.00	1200	7.0	28.0	6.2
09...	0936	5.00	1200	6.9	28.0	5.8
09...	0937	10.0	21600	7.3	28.5	2.0
09...	0938	15.0	35300	7.5	29.0	.4

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES
PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

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302648088340600 - PASCAGOULA RIVER AT MI 9

024793428

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAM- PLING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
08...	1900	1.00	3000	7.0	29.0	6.6
08...	1901	5.00	3000	6.8	29.0	5.7
08...	1902	10.0	5700	6.7	29.0	4.2
08...	1903	15.0	34900	7.4	29.0	.5
08...	1904	17.0	34900	7.4	29.0	.5
09...	0930	1.00	1600	7.2	28.0	6.5
09...	0931	5.00	1600	7.0	28.0	6.0
09...	0932	10.0	18500	7.1	28.5	2.5
09...	0933	12.0	18500	7.1	28.5	2.5

02479343 - PASCAGOULA RIVER AT MI 8 NR ESCATAWPA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAM- PLING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
08...	1851	1.00	3700	6.8	29.0	5.7
08...	1852	5.00	4500	6.7	29.0	5.1
08...	1853	10.0	17200	6.9	29.0	3.0
08...	1854	15.0	34100	7.4	29.0	.6
08...	1855	20.0	31400	7.6	29.5	.3
08...	1856	23.0	31400	7.6	29.5	.3
09...	0916	1.00	3100	7.0	28.0	5.6
09...	0917	5.00	16400	7.0	28.5	3.4
09...	0918	10.0	24700	7.5	29.0	2.9
09...	0919	15.0	40800	7.9	29.0	1.5
09...	0920	20.0	43100	7.9	29.5	1.1
09...	0921	25.0	43600	7.9	29.5	1.1
09...	0922	27.0	43600	7.9	29.5	1.1

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)
SEP									
08...	1850	.5	K88	1000	.04	.020	.06	.220	.27
09...	0915	1.5	K59	K2700	.05	.030	.08	.210	.26

DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
SEP								
08...	.50	.72	.78	3.5	.100	.31	.060	5.1
09...	.22	.43	.51	2.3	.090	.28	.070	4.9

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES
PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302526088333600 - PASCAGOULA RIVER AT MI 7

024793431

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAM- PLING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
08...	1845	1.00	5500	6.8	29.0	5.6
08...	1846	5.00	6000	6.8	29.0	5.1
08...	1847	10.0	17900	7.0	29.0	2.7
08...	1848	13.0	17900	7.0	29.0	2.7
09...	0910	1.00	4800	7.4	28.0	6.6
09...	0911	5.00	8200	7.3	28.0	5.0
09...	0912	10.0	34000	8.0	29.0	3.6
09...	0913	15.0	45100	8.0	29.5	2.5
09...	0914	20.0	45300	8.0	29.5	2.4

02480183

- ESCATAWPA RIVER AT MI 9 NR MOSS POINT, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAM- PLING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
08...	2225	1.00	54	5.0	27.0	5.7
08...	2226	5.00	54	5.0	27.0	5.1
08...	2227	10.0	54	5.0	27.0	5.0
08...	2228	15.0	54	5.0	27.0	4.9
08...	2229	20.0	54	5.0	27.0	4.8
09...	1215	1.00	60	5.4	27.5	4.9
09...	1216	5.00	60	5.4	27.5	4.8
09...	1217	10.0	60	5.3	27.5	4.5
09...	1218	15.0	60	5.3	27.0	4.4
09...	1219	20.0	60	5.3	27.0	4.4

02480184

- ESCATAWPA RIVER AT MI 8 NR MOSS POINT, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAM- PLING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
08...	2215	1.00	100	5.7	27.0	5.9
08...	2216	5.00	100	5.5	27.0	5.2
08...	2217	10.0	200	5.5	27.0	5.0
08...	2218	13.0	200	5.5	27.0	5.0
09...	1200	1.00	600	6.0	27.5	5.0
09...	1201	5.00	1100	6.0	27.5	4.5
09...	1202	10.0	2500	6.2	27.5	3.8
09...	1203	14.0	13800	6.7	28.0	3.3

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES
PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

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302541088290100 - ESCATAWPA RIVER AT MI 7

024802053

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

		SAM- PLING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
DATE	TIME								
SEP									
08...	2201	1.00	1200	5.8	27.5	4.7			
08...	2202	5.00	1300	5.8	27.5	4.6			
08...	2203	10.0	1400	5.8	27.5	4.5			
08...	2204	15.0	4000	6.0	27.5	3.3			
08...	2205	20.0	26800	6.9	28.0	.4			
08...	2206	25.0	29900	7.0	28.5	.3			
08...	2207	30.0	34100	7.0	28.5	.2			
08...	2208	35.0	34600	7.0	29.0	.1			
08...	2209	38.0	34600	7.0	29.0	.1			
09...	1151	1.00	2600	6.6	28.0	4.6			
09...	1152	5.00	2900	6.5	28.0	3.9			
09...	1153	10.0	3200	6.4	27.5	3.3			
09...	1154	15.0	27000	7.2	28.5	.2			
09...	1155	20.0	30000	7.3	28.5	.1			
09...	1156	25.0	30700	7.3	28.5	.2			
09...	1157	30.0	33600	7.2	28.5	.1			
09...	1158	35.0	34400	7.2	29.0	.1			
09...	1159	40.0	34600	7.2	29.0	.1			
DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCUCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)
SEP									
08...	2200	1.3	K69	K2200	.10	.010	.11	.450	.55
09...	1150	4.4	K150	>500	--	<.010	.04	.540	.66
DATE	TIME	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
SEP									
08...		.30	.75	.86	3.8	.110	.31	.110	6.3
09...		.25	.79	.83	3.7	.130	.40	.110	5.9

302512088292200 - ESCATAWPA RIVER AT MI 6

024802054

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAM- PLING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
08...	2145	1.00	2400	6.3	27.0	5.0
08...	2146	5.00	2800	6.2	27.5	4.0
08...	2147	10.0	3100	6.1	27.5	3.8
08...	2148	13.0	3100	6.1	27.5	3.8
09...	1140	1.00	2900	6.7	28.0	5.0
09...	1141	5.00	3800	6.5	28.0	3.8
09...	1142	10.0	12500	6.7	28.0	.3
09...	1143	15.0	30900	7.3	28.5	.2
09...	1144	20.0	33000	7.4	29.0	.1
09...	1145	22.0	33000	7.4	29.0	.1

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES
PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302515088301300 - ESCATAWPA RIVER AT MI 5

024802055

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

		SAM- PLING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)				
DATE	TIME									
SEP										
08...	2131	1.00	4200	6.4	27.5	3.8				
08...	2132	5.00	4400	6.3	27.5	3.4				
08...	2133	10.0	5200	6.3	27.5	2.9				
08...	2134	15.0	14800	6.6	27.5	.3				
08...	2135	20.0	35300	7.3	28.5	.2				
08...	2136	23.0	35300	7.3	28.5	.2				
09...	1131	1.00	4300	7.0	28.0	4.3				
09...	1132	5.00	6200	6.7	28.0	2.3				
09...	1133	10.0	25800	7.2	28.0	.3				
09...	1134	15.0	34700	7.5	29.0	.2				
09...	1135	20.0	35500	7.6	29.0	.1				
DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCUCCI FECAL, KF AGAR (COLS. PER 100 ML)	VITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	
SEP										
08...	2130	.7	K88	1700	.12	.010	.13	.160	.19	
09...	1130	2.5	K290	>500	.03	.010	.04	.360	.44	

DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS P04)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
SEP								
08...	.60	.76	.89	3.9	.050	.15	.030	7.2
09...	.56	.92	.96	4.3	.110	.34	.090	7.2

302528088304400 - ESCATAWPA RIVER AT MI 4

024802057

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAM- PLING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
08...	2120	1.00	4900	6.8	29.5	3.0
08...	2121	5.00	6400	6.5	28.0	2.9
08...	2122	10.0	8600	6.5	28.0	1.4
08...	2123	15.0	22900	7.0	28.0	.2
08...	2124	20.0	37500	7.4	28.5	.2
08...	2125	23.0	37500	7.4	28.5	.2
09...	1120	1.00	5400	7.0	28.0	2.7
09...	1121	5.00	8400	6.9	28.0	.8
09...	1122	10.0	25900	7.2	28.5	.3
09...	1123	15.0	35700	7.6	29.0	.1
09...	1124	20.0	36400	7.7	29.0	.1
09...	1125	25.0	36900	7.8	29.0	.1
09...	1126	30.0	37000	7.7	29.5	.1

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES
PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

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302455088313100 - ESCATAWPA RIVER AT MI 3

024802061

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAM- PLING DEPTH (FT)	SPF- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
SEP									
08...	2101	1.00	7500	6.7	28.0	3.0			
08...	2102	5.00	8000	6.6	28.0	2.2			
08...	2103	10.0	9700	6.6	28.0	1.4			
08...	2104	15.0	28500	7.1	28.5	.2			
08...	2105	17.0	28500	7.1	28.5	.2			
09...	1106	1.00	8100	7.5	28.5	4.2			
09...	1107	5.00	10200	7.0	28.5	.6			
09...	1108	10.0	37200	7.6	29.0	.2			
09...	1109	15.0	38300	7.7	29.0	.2			
09...	1110	20.0	38500	7.7	29.0	.1			
09...	1111	25.0	40200	7.5	29.0	.1			
DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML)	STREP- TOCOCCEI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+N03 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)
SEP									
08...	2100	.6	1100	5800	.07	.010	.08	.230	.28
09...	1105	2.1	K170	9500	.03	.010	.04	.350	.43
DATE	TIME	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NH3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS P04)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
SEP									
08...		.72	.95	1.0	4.6	.070	.21	.060	10
09...		.19	.54	.58	2.6	.120	.37	.100	7.0

302459088320800 - ESCATAWPA RIVER AT MI 2

024802064

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAM- PLING DEPTH (FT)	SPF- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
08...	2050	1.00	8900	6.7	28.5	3.0
08...	2051	5.00	9100	6.6	28.5	1.9
08...	2052	10.0	11400	6.6	28.5	.9
08...	2053	15.0	33300	7.2	28.5	.2
08...	2054	18.0	33300	7.2	28.5	.2
09...	1100	1.00	7800	7.2	28.0	3.4
09...	1101	5.00	11500	7.0	28.0	.4
09...	1102	10.0	35000	7.1	29.0	.4
09...	1103	15.0	40800	8.0	29.5	.6
09...	1104	20.0	42300	8.0	29.5	.7

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES
PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480207 - ESCATAWPA RIVER AT MOSS POINT, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

		SAM- PLING DEPTH (FT)	SPF- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)					
DATE	TIME										
SEP											
08...	2016	1.00	8800	6.8	29.0	3.6					
08...	2017	5.00	9700	6.6	29.0	2.2					
08...	2018	10.0	13100	6.6	28.5	3.0					
08...	2019	15.0	38500	7.5	29.0	.2					
08...	2020	20.0	39900	7.6	29.0	.1					
09...	1026	1.00	9000	7.0	28.0	3.5					
09...	1027	5.00	9000	6.9	28.0	3.4					
09...	1028	10.0	34000	7.6	29.0	1.5					
09...	1029	15.0	42900	7.9	29.5	1.1					
09...	1030	17.0	42900	7.9	29.5	1.1					
DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCUCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)		
SEP											
08...	2015	2.1	K160	7200	.03	.010	.04	.340	.41		
09...	1025	1.5	K88	7600	.05	.030	.08	.220	.27		
DATE	TIME	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)		
SEP											
08...		.86	1.20	1.2	5.5	.120	.37	.090	7.3		
09...		.18	.40	.48	2.1	.080	.25	.060	6.5		
DATE	TIME	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	ARSENIC TOTAL (UG/L AS AS)
SEP											
08...	2700	170	560	4500	77	37	200	1200	8800	3	
DATE	TIME	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	PHENOLS (UG/L)
SEP											
08...	<10	<1	40	2	2	3.8	1	<1	40	7	

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES
PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

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02480208 - ESCATAWPA RIVER AT MI 0 NR ESCATAWPA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAM- PLING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
08...	2000	1.00	9800	6.6	29.0	4.6
08...	2001	5.00	10600	6.6	29.5	3.0
08...	2002	10.0	18700	6.7	29.0	.9
08...	2003	15.0	36100	7.4	29.0	.2
08...	2004	20.0	39100	7.5	29.0	.2
08...	2005	23.0	39100	7.5	29.0	.2
09...	1015	1.00	8900	6.9	28.0	5.7
09...	1016	5.00	14200	7.0	28.0	4.1
09...	1017	10.0	40100	7.9	29.0	3.0
09...	1018	15.0	45000	8.0	29.5	2.5
09...	1019	20.0	45500	8.0	29.5	2.8
09...	1020	25.0	45700	8.0	29.5	2.6
09...	1021	30.0	45800	8.0	29.5	2.5

30250708R342R00 - PASCAGOULA RIVER AT MI 6

024802082

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAM- PLING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
08...	1831	1.00	970	6.9	29.0	4.3
08...	1832	5.00	11700	6.8	29.5	3.0
08...	1833	10.0	27000	7.0	29.0	.6
09...	0851	1.00	14400	7.4	28.0	5.2
09...	0852	5.00	21000	7.6	28.0	4.7
09...	0853	10.0	45200	8.1	29.5	3.2

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCUCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)
SEP									
08...	1830	2.1	2200	>500	.07	.010	.08	.180	.22
09...	0850	1.5	K75	K3300	.04	.020	.06	.160	.19

DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARRON, ORGANIC TOTAL (MG/L AS C)
SEP								
08...	.56	.74	.82	3.6	.070	.21	.040	8.6
09...	.25	.41	.47	2.1	.070	.21	.050	6.0

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES
PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302430088350400 - PASCAGOULA RIVER AT MI 5

024802083

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAM- PLING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
08...	1825	1.00	13900	7.1	29.5	4.2
08...	1826	5.00	16700	7.0	29.5	2.4
08...	1827	10.0	39800	6.9	29.0	.5
09...	0845	1.00	20900	7.7	27.5	6.2
09...	0846	5.00	32500	8.0	28.0	4.6
09...	0847	10.0	46300	8.1	29.5	3.6
09...	0848	15.0	46800	8.1	29.5	3.3

302345088343800 - PASCAGOULA RIVER AT MI 4

024802087

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAM- PLING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
08...	1816	1.00	12900	7.2	29.0	4.7
08...	1817	5.00	15700	7.1	29.5	4.1
08...	1818	10.0	30600	7.4	29.5	1.4
08...	1819	15.0	38900	7.7	29.5	.9
08...	1820	20.0	40100	7.7	29.5	.8
08...	1821	23.0	40100	7.7	29.5	.8
09...	0836	1.00	33900	8.1	27.5	5.8
09...	0837	5.00	38300	8.1	28.0	5.2
09...	0838	10.0	44500	8.2	29.0	4.5
09...	0839	15.0	47400	8.2	29.5	3.8
09...	0840	20.0	47500	8.2	29.5	3.7

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)
SEP									
08...	1815	1.7	K100	K4500	.05	.030	.08	.240	.29
09...	0835	1.9	K53	K3400	.04	.020	.06	.180	.22

DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS P04)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
SEP								
08...	.32	.56	.64	2.8	.090	.28	.060	5.6
09...	.19	.37	.43	1.9	.070	.21	.050	3.7

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES
PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

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302319088335400 - PASCAGOULA RIVER AT MI 3

024802091

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAM- PLING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
08...	1800	1.00	15700	7.2	29.5	5.1
08...	1801	5.00	15600	7.2	29.5	4.4
08...	1802	10.0	22700	7.3	29.5	3.3
08...	1803	15.0	36600	7.6	29.5	1.6
08...	1804	20.0	41200	7.6	29.5	1.4
08...	1805	25.0	42600	7.9	29.5	.8
08...	1806	30.0	44400	7.9	29.5	.8
08...	1807	35.0	45500	7.8	29.5	.7
08...	1808	40.0	45800	7.9	29.5	.6
08...	1809	45.0	46300	7.9	29.5	.8
08...	1810	50.0	46800	7.9	29.5	.6
08...	1811	53.0	46800	7.9	29.5	.6
09...	0825	1.00	42600	8.2	29.0	5.4
09...	0826	5.00	44600	8.2	29.0	4.6
09...	0827	10.0	46000	8.2	29.5	4.3
09...	0828	15.0	46900	8.2	29.5	4.3
09...	0829	20.0	47000	8.2	29.5	4.3
09...	0830	25.0	47100	8.2	29.5	4.3
09...	0831	30.0	47300	8.2	29.5	4.2
09...	0832	35.0	47600	8.2	29.5	4.0
09...	0833	40.0	47700	8.2	29.5	3.8
09...	0834	45.0	47700	8.2	29.5	3.7

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES
PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480210 - PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAM- PLING DEPTH (FT)	SPF- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
08...	1751	1.00	19200	7.5	30.0	5.0
08...	1752	5.00	20400	7.7	30.0	6.5
08...	1753	10.0	25400	7.7	30.0	5.6
08...	1754	15.0	44400	7.8	30.0	1.3
09...	0816	1.00	45300	8.2	29.0	6.0
09...	0817	5.00	46000	8.2	29.5	5.4
09...	0818	10.0	47800	8.2	29.5	4.9
09...	0819	15.0	47900	8.2	29.5	4.7
09...	0820	20.0	47900	8.2	29.5	4.5
09...	0821	23.0	47900	8.2	29.5	4.5

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCEI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)
SEP									
08...	1750	2.0	K54	K3800	.04	.020	.06	.150	.18
09...	0815	1.6	K29	K2500	.04	.010	.05	.150	.18

DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NH3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PU4)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
SEP								
08...	.61	.76	.82	3.6	.070	.21	.050	5.5
09...	.07	.22	.27	1.2	.080	.25	.040	2.8

DATE	HARD- NESS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	ARSENIC TOTAL (UG/L AS AS)
SEP										
08...	2800	180	580	4900	78	40	200	1200	9300	3

DATE	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	PHENOLS (UG/L)
SEP										
08...	<10	<1	30	16	8	1.6	6	<1	40	6

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES
PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

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024R0212 - PASCAGOULA RIVER AT MI 1 AT PASCAGOULA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAM- PLING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
08...	1740	1.00	22300	7.7	30.0	5.8
08...	1741	5.00	28000	7.8	30.0	4.3
08...	1742	10.0	44700	7.9	29.5	1.8
08...	1743	15.0	47500	7.9	29.5	1.4
08...	1744	20.0	48500	7.9	29.5	1.0
08...	1745	25.0	48600	7.9	29.5	1.0
08...	1746	30.0	48600	7.9	29.5	.7
09...	0805	1.00	43700	8.2	28.5	6.3
09...	0806	5.00	44100	8.2	29.0	5.8
09...	0807	10.0	44200	8.2	29.0	5.7
09...	0808	15.0	46400	8.2	29.5	5.3
09...	0809	20.0	47700	8.2	29.5	5.5
09...	0810	25.0	48200	8.2	29.5	5.0
09...	0811	30.0	48300	8.2	29.5	4.6
09...	0812	35.0	48300	8.2	29.5	4.6
09...	0813	36.0	48300	8.2	29.5	4.6

024R0215 - PASCAGOULA RIVER AT MI 0 AT PASCAGOULA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOT/L (MG/L AS NH4)
SEP									
08...	1700	1.6	K6	1400	.03	.020	.05	.190	.23
09...	0745	2.4	K49	K2600	.04	.020	.06	.140	.17

DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS PO4)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
SEP								
08...	.21	.40	.45	2.0	.080	.25	.060	4.4
09...	.37	.51	.57	2.5	.090	.28	.050	2.9

DATE	TIME	SAM- PLING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
08...	1701	1.00	26400	7.7	30.0	5.9
08...	1702	5.00	33500	7.8	30.0	4.3
08...	1703	10.0	39000	7.9	30.0	3.2
08...	1704	15.0	42400	7.9	30.0	2.8
08...	1705	20.0	44500	7.9	30.0	2.6
08...	1706	25.0	44300	8.0	30.0	3.0
08...	1707	30.0	44800	8.0	30.0	2.5
08...	1708	35.0	45800	8.0	30.0	3.0
08...	1709	40.0	47700	8.0	30.0	3.0
08...	1710	45.0	42800	8.0	30.0	3.0
09...	0746	1.00	42800	8.0	28.5	5.5
09...	0747	5.00	43000	8.0	29.0	5.4
09...	0748	10.0	44000	8.1	29.0	5.8
09...	0749	15.0	47800	8.2	29.5	6.1
09...	0750	20.0	48200	8.2	29.5	5.6
09...	0751	25.0	48300	8.2	29.5	4.4
09...	0752	30.0	48400	8.1	29.5	3.5
09...	0753	35.0	48500	8.1	29.5	3.1
09...	0754	40.0	48700	8.1	29.5	1.8
09...	0755	45.0	48800	8.0	29.5	1.3

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

MISSISSIPPI RIVER STUDY NEAR PORT GIBSON, MS

315956091050000 - MISSISSIPPI RIVER AT MILF 405

072902159

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

		AGENCY COL- LECTING SAMPLE (CODE NUMBER)	AGENCY ANAL- YZING SAMPLE (CODE NUMBER)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE LAH (UMHQS)	PH LAB (UNITS)	NITRO- GEN DIS- SOLVED (MG/L AS N)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	HARD- NESS (MG/L AS CAC03)	HARD- NESS NONCAR- BONATE (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)
DEC 01...	1100	810	#0010	316000	403	7.7	.91	15	150	47	39	12
	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION SOLVED (MG/L AS K)	POTAS- SIUM 40 DIS- SOLVED (PCI/L AS K40)	POTAS- SIUM 40 DIS- SOLVED (PCI/L AS K40)	ALKA- LINEITY LAB (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	SOLIDS, NON- VOLAT- ILE, SUS- PENDED (MG/L)	SOLIDS, VOLAT- ILE, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)
DEC 01...	20	22	.7	3.2	2.4	100	59	21	65	60	5	.78
	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)
DEC 01...	.020	.80	.79	.110	.040	.13	.05	.19	.08	.30	.18	.12
	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
DEC 01...	1.1	4.9	.170	.52	.060	2	1	1	10	10	0	0
	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDED RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	CHRO- MIUM, TRI- VALENT (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
DEC 01...	0	0	10	0	10	10	0	6	4	2	50	6
	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)
DEC 01...	6	0	120	110	8	<.1	<.1	7	5	2	0	0
	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS GRAVI- METRIC (MG/L)	OIL AND GREASE, TOTAL RECOV- ERABLE (MG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	
DEC 01...	0	.0	20	20	0	7.9	.00	0	0	8.10	1.40	

MISSISSIPPI RIVER STUDY NEAR PORT GIBSON, MS--Continued

315956091050000 - MISSISSIPPI RIVER AT MILE 405

072902159

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDU, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)
DEC 01...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	<.01	<.01	<.01

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
DEC 01...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
DEC 01...	<.01	<.01	<.01	<0	<.01	.02	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

MUDDY BAYOU STUDY NEAR ALCORN, MS

315213091082335 - ALCORN LAKE AT SPILLWAY AT ALCORN, MS 072907569

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM STAGE (FT ABOVE DATUM)	SPE- CIFIC CON- DUCTI- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
APR						
22...	1310	1.02	187	6.7	25.0	2.6
MAY						
07...	1400	1.04	183	6.7	22.0	4.2
JUN						
03...	1545	1.20	175	7.6	28.0	7.0
JUL						
02...	1115	1.25	--	--	--	--
02...	1530	1.23	--	--	--	--
14...	1100	--	245	6.9	34.5	--
22...	1120	.76	220	--	32.0	--
AUG						
05...	1300	.74	--	--	--	--
11...	1100	.98	220	7.0	29.5	--
26...	1015	.60	250	6.7	28.5	5.0

MUDDY BAYOU STUDY NEAR ALCORN, MS--Continued

07290757 - MUDDY BAYOU RE ALCORN LAKE AT ALCORN, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCOI FECAL, KF AGAR (COLS. PER 100 ML)
MAP								
17...	1330	E.05	175	6.5	15.0	7.5	K43	K35
APR								
22...	1310	E.01	--	--	--	--	K22	K40
MAY								
07...	1400	E.01	--	--	--	--	K44	K11
JUN								
03...	1630	E.30	175	7.6	28.0	7.0	240	220
JUL								
02...	1530	.70	185	7.1	28.0	3.4	570	2000

DATE	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	HARD- NESS (MG/L AS CACO3)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
MAR									
17...	11	70	.00	16	7.4	5.5	14	.3	3.4
JUL									
02...	47	77	.00	18	7.7	4.9	11	.2	6.9

DATE	ALKA- LINEITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
MAR									
17...	74	4.0	6.7	119	.16	--	19	<.010	.03
JUL									
02...	80	4.0	6.2	121	.16	.23	36	<.010	.05

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
MAR									
17...	.020	.02	.41	.43	.46	2.0	.100	.31	.050
JUL									
02...	.040	.05	1.4	1.40	1.5	6.4	.420	1.3	.110

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

MUDDY BAYOU STUDY NEAR ALCORN, MS--Continued

07290759

- MUDDY BAYOU NR RODNEY, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

	DATE	TIME	STREAM- FLOW, INSTAN- TANFOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	
	MAR 17...	1345	E.01	448	7.6	15.0	8.7	K56	K27	
	APR 22...	1100	.00	--	--	--	--	--	--	
	MAY 07...	1500	.00	--	--	--	--	--	--	
	JUN 03...	1530	F.30	220	8.0	25.0	8.0	780	K3100	
	JUL 02...	1345	.72	232	8.0	24.0	8.5	K3600	>200	
	DATE	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	HARD- NESS NONCAR- BONATE AS (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY LAR (MG/L AS CACO3)
	MAR 17...	--	230	.00	54	22	10	9	.3	4.3
	JUL 02...	28	100	.00	26	9.3	4.8	9	.2	5.5
	DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
	MAR 17...	11	8.2	257	.35	--	7	--	<.010	<.01
	JUL 02...	6.2	5.9	144	.20	.28	62	.21	.030	.24
	DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
	MAR 17...	.010	.01	--	<.10	--	--	.130	.40	.130
	JUL 02...	.030	.04	.82	.85	1.1	4.8	.340	1.0	.230

MUDDY BAYOU STUDY NEAR ALCORN, MS--Continued

315212091082680 - K044 ALCORN LANDFILL WELL

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAMPLE SOURCE	SAM- PLING CONDI- TION	DEPTH RELOW LAND SURFACE (WATER LEVEL) (FEET)	SPE- CIFIC CON- DUCT- ANCE (UMHNS)	PH (UNITS)	TEMPER- ATURE (DEG C)					
JUL												
14...	1320	1003	15.00	31.66	750	7.3	21.5					
22...	1230	1003	15.00	18.28	850	7.4	22.0					
AUG												
05...	1330	1003	15.00	19.38	900	--	22.0					
11...	1230	1003	15.00	19.50	842	6.8	21.0					
26...	1100	1003	15.00	19.72	848	6.9	21.0					
SEP												
03...	1430	1003	15.00	19.80	880	7.0	21.0					

DATE	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	HARD- NESS (MG/L AS CACO3)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
JUL												
22...	10	410	.00	90	44	35	16	.8	2.8	430	24	23
AUG												
11...	47	410	.00	88	45	32	15	.7	2.9	430	23	19
26...	44	450	.00	97	50	31	13	.6	2.2	460	24	22

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)
JUL												
22...	520	--	<.010	.03	.350	.42	.23	.58	.61	2.7	.060	.18
AUG												
11...	515	--	<.010	.02	.420	.51	.26	.68	.70	3.1	.070	.21
26...	518	.04	.020	.06	.390	.47	.28	.67	.73	3.2	.090	.28

DATE	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHENOLS (UG/L)
JUL												
22...	.030	12	<1	650	34	850	.2	9	12	110	3.3	<1
AUG												
11...	.050	12	2	1200	50	930	.6	8	17	230	3.6	<1
26...	<.010	9	2	1500	90	850	.2	7	4	80	9.0	7

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

MUDDY BAYOU STUDY NEAR ALCORN, MS--Continued

315212091082680 - K044 ALCORN LANDFILL WELL

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)
JUL 22...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	.01	<.01	<.01
AUG 11...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	.02	<.01	<.01
26...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	.01	<.01	<.01

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR FOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
JUL 22...	<.01	<.01	<.01	<.01	<.01	.02	<.01	<.01	<.01
AUG 11...	<.01	<.01	<.01	<.01	<.01	.02	<.01	<.01	<.01
26...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANF TOTAL (UG/L)	TOX- APHENF, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JUL 22...	<.01	<.01	<.01	<.0	<.01	<.01	<.01	<.01	<.01
AUG 11...	<.01	<.01	<.01	<.0	<.01	<.01	<.01	<.01	<.01
26...	<.01	<.01	<.01	<.0	<.01	<.01	<.01	<.01	<.01

315212091082580 - LANDFILL SEEPAGE BL ALCORN LAKE

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SAMPLE SOURCE	SAM- PLING CONDI- TION	FLOW RATE, INSTAN- TANEOUS (GPM)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)
MAR 17...	1100	1006	30.00	.5	1650	7.1	16.0
MAY 07...	1415	1006	30.00	<.1	1400	7.3	19.0
JUL 14...	1230	1006	30.00	--	1420	7.3	24.0
22...	1300	1006	30.00	<.1	1400	7.1	22.0
AUG 11...	1210	1006	30.00	--	1450	6.9	24.5
26...	1200	1006	30.00	.3	1450	6.4	23.0
SEP 03...	1415	1006	30.00	--	980	6.6	22.0

MUDDY BAYOU STUDY NEAR ALCORN, MS--Continued

315212091082580 - LANDFILL SEEPAGE BL ALCORN LAKE

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	HARD- NESS (MG/L AS CACO3)	HARD- NESS NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
MAR 17...	10	730	--	150	87	75	18	1.2	3.3	630	61	100
JUL 22...	15	660	130	140	75	71	19	1.2	1.6	530	27	71
AUG 26...	61	700	.00	150	78	63	16	1.0	2.4	710	32	70

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS PO4)
MAR 17...	855	.12	.010	.13	1.10	1.3	.40	1.50	1.6	7.2	.070	.21
JUL 22...	739	--	<.010	.09	.120	.14	.59	.71	.80	3.5	.130	.40
AUG 26...	856	.04	.020	.06	.090	.11	.62	.71	.77	3.4	.200	.61

DATE	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHENOLS (UG/L)
MAR 17...	.020	4	--	--	--	--	.3	--	--	--	8.2	--
JUL 22...	.060	4	<1	1500	6	3200	.9	4	11	30	5.1	<1
AUG 26...	.070	5	2	3900	12	2900	.7	2	12	20	5.8	4

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM WATER-QUALITY STUDIES

MUDDY BAYOU STUDY NEAR ALCORN, MS--Continued

315212091082580 - LANDFILL SEEPAGE BL ALCORN LAKE

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)
MAR 17...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	<.01	<.01	<.01
JUL 22...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	.03	<.01	<.01
AUG 26...	<.10	<.10	<.01	<.10	<.01	<.01	<.01	.01	<.01	<.01

DATE	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
MAR 17...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01
JUL 22...	<.01	<.01	<.01	<.01	<.01	.01	<.01	<.01	<.01
AUG 26...	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01	<.01

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2, 4-DP TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
MAR 17...	<.01	<.01	<.01	<.0	<.01	<.01	<.01	<.01	<.01
JUL 22...	<.01	<.01	<.01	<.0	<.01	<.01	<.01	<.01	<.01
AUG 26...	<.01	<.01	<.01	<.0	<.01	<.01	<.01	<.01	<.01

ADAMS COUNTY

313554091201201. Local number, D1.

LOCATION.--Lat 31°35'54", long 91°20'12", Hydrologic Unit 08060204, sec.14, T.7 N., R.2 W., 5 mi (8 km) northeast of center of Natchez at power plant.

Owner: Mississippi Power and Light Co.

AQUIFER.--Sands of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 456 ft (139.0 m).

DATUM.--Land-surface datum is 192 ft (58.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.50 ft (0.457 m) above land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.11 ft (27.160 m) below land-surface datum, Mar. 25, 1981; lowest measured, 102.97 ft (31.385 m) below land-surface datum, Aug. 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	90.90	DEC 18	91.21	MAR 25	89.11	JUN 12	93.20	SEP 5	89.90
NOV 13	89.60	FEB 6	93.73	APR 9	89.61	JUL 23	95.15	SEP 25	92.09

313256091214201. Local number, D10.

LOCATION.--Lat 31°32'56", long 91°21'42", Hydrologic Unit 08060204, NW¼NW¼ Lot 87, T.7 N., R.2 W., 2 mi (3 km) east of center of Natchez on Liberty Road.

Owner: Johns Manville Co.

AQUIFER.--Sands of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 436 ft (132.9 m), cased to 392 ft (119.5 m).

DATUM.--Land-surface datum is 116.92 ft (35.637 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--April 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 58.62 ft (17.867 m) below land-surface datum, Mar. 31, 1962; lowest measured, 80.18 ft (24.438 m) below land-surface datum, July 25, 1963.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	75.52	DEC 18	74.02	MAR 25	72.51	JUN 12	74.90	SEP 5	75.70
NOV 12	75.06	FEB 6	73.15	APR 9	72.44	JUL 23	74.50	SEP 25	71.74

312730091200602. Local number, G7.

LOCATION.--Lat 31°27'30", long 91°20'06", Hydrologic Unit 08060205, NE¼NW¼ Lot 41, T.6 N., R.2 W., 8 mi (13 km) southeast of center of Natchez on Kingston Road.

Owner: Adams County Water Association.

AQUIFER.--Sands of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 267 ft (81.4 m), cased to 217 ft (66.1 m).

DATUM.--Land-surface datum is about 220 ft (67.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in pump base, 3.00 ft (0.914 m) above land-surface datum.

PERIOD OF RECORD.--October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.03 ft (12.506 m) below land-surface datum, Mar. 30, 1979; lowest measured, 63.61 ft (19.388 m) below land-surface datum, Apr. 9, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 9	63.61

GROUND-WATER LEVELS

ADAMS COUNTY--Continued

312752091202201. Local number, G21.

LOCATION.--Lat 31°27'52", long 91°20'22", Hydrologic Unit 08060205, NE¼NW¼ Lot 41, T.6 N., R.2 W., 8 mi (13 km) southeast of center of Natchez on Kingston Road.

Owner: Adams County Water Association.

AQUIFER.--Sands of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 880 ft (268.2 m), cased to 840 ft (256.0 m).

DATUM.--Land-surface datum is about 223 ft (68.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--November 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 162.00 ft (49.378 m) below land-surface datum, June 5, 1975; lowest measured, 171.97 ft (52.416 m) below land-surface datum, Apr. 9, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 9	171.97

312735091201301. Local number, G23.

LOCATION.--Lat 31°27'35", long 91°20'13", Hydrologic Unit 08060205, Lot 41, T.6 N., R.2 W., 8 mi (13 km) southeast of center of Natchez on Kingston Road.

Owner: Adams County Water Association.

AQUIFER.--Sands of Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (305 mm), depth 878 ft (268.6 m), cased to 838 ft (255.4 m).

DATUM.--Land-surface datum is about 226 ft (68.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent east side of pump base, 3.00 ft (0.914 m) above land-surface datum.

PERIOD OF RECORD.--August 1974, October 1975 to April 1981 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 165.00 ft (50.292 m) below land-surface datum, Aug. 16, 1974; lowest measured, 176.10 ft (53.675 m) below land-surface datum, Apr. 9, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 9	176.10

ALCORN COUNTY

345545088311002. Local number, G3.

LOCATION.--Lat 34°55'45", long 88°31'10", Hydrologic Unit 08010207, NW¼NW¼ sec.12, T.2 S., R.7 E., 0.5 mi (0.8 km) south of center of Corinth.

Owner: City of Corinth.

AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 245 ft (74.7 m).

DATUM.--Land-surface datum is 432 ft (131.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent on railroad side of pump base, 2.00 ft (0.609 m) above land-surface datum.

PERIOD OF RECORD.--September 1961, September 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.60 ft (1.707 m) below land-surface datum, Sept. 27, 1961; lowest measured, 11.80 ft (3.596 m) below land-surface datum, Oct. 18, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 17	9.20

GROUND-WATER LEVELS

291

ALCORN COUNTY--Continued

345456088313001. Local number, G57.

LOCATION.--Lat 34°54'56", long 88°31'30", Hydrologic Unit 08010207, NW¼NW¼ sec.13, T.2 S., R.7 E., 1 mi (2 km) south of center of Corinth.

Owner: City of Corinth.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 453 ft (138.1 m), cased to 410 ft (125 m).

DATUM.--Land-surface datum is 463 ft (141.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.304 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--August 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 100.9 ft (30.75 m) below land-surface datum, Oct. 17, 1962; lowest, 224.4 ft (68.39 m) below land-surface datum, Sept. 22, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	182.45	179.44	174.02	---	173.70	177.56	180.60	---	183.40	185.49	190.75
10	---	182.30	179.08	---	---	173.50	177.85	179.67	---	183.35	186.36	189.60
15	186.15	182.34	178.24	---	---	175.75	178.65	180.23	182.00	183.08	187.08	189.21
20	185.76	181.67	179.60	---	---	176.03	178.88	180.80	182.40	183.80	188.57	188.86
25	185.04	180.85	179.32	---	---	176.39	179.40	181.10	182.10	184.45	189.69	188.50
EOM	183.19	179.94	174.00	---	173.40	176.77	179.96	---	183.70	185.17	190.43	188.76

345604088321902. Local number, G101.

LOCATION.--Lat 34°56'04", long 88°32'19", Hydrologic Unit 08010207, SW¼SW¼ sec.2, T.2 S., R.7 E., 2 mi (3.3 km) west of center of Corinth, 0.2 mi (0.3 km) north of Ramada Inn.

Owner: City of Corinth.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 520 ft (158.5 m), cased to 460 ft (140.2 m).

DATUM.--Land-surface datum is about 480 ft (146.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in well head, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--February 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 153.00 ft (46.634 m) below land-surface datum, Mar. 14, 1974; lowest measured, 199.00 ft (60.655 m) below land-surface datum, Feb. 11, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 17	173.80

344642088340501. Local number, K11.

LOCATION.--Lat 34°46'42", long 88°34'05", Hydrologic Unit 08010207, NW¼NE¼ sec.33, T.3 S., R.7 E., 3 mi (5 km) northwest of center of Rienzi, 0.5 mi (0.8 km) west of U.S. Highway 45.

Owner: C. B. Curlee.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth reported 574 ft (175.0 m), cased to 478 ft (146.7 m).

DATUM.--Land-surface datum is about 460 ft (140.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.50 ft (0.457 m) above land-surface datum.

PERIOD OF RECORD.--September 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.00 ft (27.127 m) below land-surface datum, Dec. 17, 1961; lowest measured, 116.40 ft (35.478 m) below land-surface datum, Mar. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 17	116.40

GROUND-WATER LEVELS

ALCORN COUNTY--Continued

344642088333001. Local number, K53.

LOCATION.--Lat 34°46'42", long 88°33'30", Hydrologic Unit 08010207, SW¼NW¼ sec.34, T.3 S., R.7 W., 2.5 mi (4.0 km) northwest of center of Rienzi on U.S. Highway 45 at roadside park.

Owner: Mississippi State Highway Department.

AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 210 ft (64.0 m), cased to 190 ft (57.9 m).

DATUM.--Land-surface datum is about 450 ft (137.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--July 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.37 ft (12.000 m) below land-surface datum, July 19, 1973; lowest measured, 43.66 ft (13.307 m) below land-surface datum, Oct. 18, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 17	42.87

ATTALA COUNTY

330713089365402. Local number, G13.

LOCATION.--Lat 33°07'13", long 89°36'53", Hydrologic Unit 08060201, NW¼NE¼ sec.31, T.15 N., R.7 E., 4.5 mi (7.2 km) northwest of center of Kosciusko on State Highway 35.

Owner: Fred Turnipseed.

AQUIFER.--Winona Sand of middle Eocene age.

WELL CHARACTERISTICS.--Dug unused artesian well, diameter 30 in (762 mm), depth 22 ft (6.71 m).

DATUM.--Land-surface datum is about 361 ft (110.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in concrete cap, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--January 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.94 ft (2.724 m) below land-surface datum, Mar. 31, 1976; lowest measured, 15.22 ft (4.639 m) below land-surface datum, Jan. 11, 1963.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 31	13.60	APR 24	12.48

330110089455001. Local number, K22.

LOCATION.--Lat 33°01'10", long 89°45'50", Hydrologic Unit 08060201, SW¼SW¼ sec.35, T.14 N., R.5 E., at center of Sallis.

Owner: Town of Sallis.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth reported 356 ft (108.5 m), cased to about 300 ft (91.4 m).

DATUM.--Land-surface datum is about 280 ft (85.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (19 mm) pipe (since May 22, 1957), 1.30 ft (0.396 m) above land-surface datum.

PERIOD OF RECORD.--1913, June 1957 to April 1963, May 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30 ft (9.1 m) above land-surface datum, 1913; lowest measured, 1.00 ft (0.304 m) above land-surface datum, Dec. 20, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 27	1.3

ATTALA COUNTY--Continued

330328089365901. Local number, M8.

LOCATION.--Lat 33°03'28", long 89°36'59", Hydrologic Unit 03180001, NE¼ sec.20, T.14 N., R.7 E., 0.2 mi (0.3 km) northwest of center of Kosciusko on Adams Street.

Owner: Barnett Moving Company.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (406 mm), depth 456 ft (139.0 m).

DATUM.--Land-surface datum is about 423 ft (129.0 m) National Geodetic Vertical Datum of 1929. Measuring point:

Air vent in pump base, 1.70 ft (0.518 m) above land-surface datum.

PERIOD OF RECORD.--March 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 107.10 ft (32.644 m) below land-surface datum, Mar. 13, 1962; lowest measured, 124.08 ft (37.819 m) below land-surface datum, Apr. 28, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 27	120.70

330330089354401. Local number, M29.

LOCATION.--Lat 33°03'30", long 89°35'44", Hydrologic Unit 03180001, SW¼NW¼ sec.21, T.14 N., R.7 E., 0.1 mi (0.2 km) west of center of Kosciusko on Jefferson Street.

Owner: City of Kosciusko.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 387 ft (118.0 m), cased to 367 ft (111.9 m).

DATUM.--Land-surface datum is about 472 ft (143.9 m) National Geodetic Vertical Datum of 1929. Measuring point:

Air vent in pump base, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--March 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 148.70 ft (45.323 m) below land-surface datum, Mar. 13, 1962; lowest measured, 165.73 ft (50.514 m) below land-surface datum, Apr. 28, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 27	164.70

330241089270501. Local number, N13.

LOCATION.--Lat 33°02'41", long 89°27'05", Hydrologic Unit 03180001, SE¼NW¼ sec.26, T.14 N., R.8 E., 8 mi (13 km) east of center of Kosciusko on north side of State Highway 14.

Owner: Houston Veasey.

AQUIFER.--Neshoba Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Dug unused artesian well, diameter 30 in (762 mm), depth 30 ft (9.1 m).

DATUM.--Land-surface datum is about 510 ft (155.4 m) National Geodetic Vertical Datum of 1929. Measuring point:

Inside lip of curb, 2.00 ft (0.609 m) above land-surface datum.

PERIOD OF RECORD.--March 1958 to March 1959, June 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.86 ft (6.358 m) below land-surface datum, Mar. 12, 1959; lowest measured, 23.50 ft (7.162 m) below land-surface datum, Dec. 11, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 27	22.02

325844089462701. Local number, Q14.

LOCATION.--Lat 32°58'44", long 89°46'27", Hydrologic Unit 08060201, NE¼SW¼ sec.15, T.13 N., R.5 E., 3.1 mi (5.0 km) south of center of Sallis on west side of State Highway 429.

Owner: Tom Aldy.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 2 in (51 mm), depth 409 ft (124.7 m).

DATUM.--Land-surface datum is about 290 ft (88.4 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of 2-in (51 mm) casing, 1.80 ft (0.548 m) above land-surface datum.

PERIOD OF RECORD.--June 1957 to July 1959, June 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.37 ft (0.112 m) below land-surface datum, Mar. 13, 1958; lowest measured, 4.71 ft (1.435 m) below land-surface datum, Aug. 8, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 27	4.05

GROUND-WATER LEVELS

ATTALA COUNTY--Continued

325901089333901. Local number, S1.

LOCATION.--Lat 32°59'01", long 89°33'39", Hydrologic Unit 03180001, SE¼NE¼ sec.13, T.13 N., R.7 E., 5 mi (8 km) south of center of Kosciusko on east side of State Highway 35.

Owner: United Gas Co.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 220 ft (67.1 m).

DATUM.--Land-surface datum is about 492 ft (150.0 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of 4-in (102 mm) casing, 0.50 ft (0.152 m) above land-surface datum.

PERIOD OF RECORD.--October 1961 to June 1962, October 1975 to April 1981 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.20 ft (29.626 m) below land-surface datum, Apr. 29, 1976; lowest measured, 101.77 ft (31.019 m) below land-surface datum, Oct. 2, 1961.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 27	98.00

325902089333901. Local number, S21.

LOCATION.--Lat 32°59'02", long 89°33'39", Hydrologic Unit 03180001, SE¼NE¼ sec.15, T.13 N., R.7 E., 5 mi (8 km) south of center of Kosciusko on east side of State Highway 35.

Owner: United Gas Co.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 360 ft (109.7 m), cased to 340 ft (103.6 m).

DATUM.--Land-surface datum is about 488 ft (148.7 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of 8-in (203 mm) casing, 0.50 ft (0.152 m) above land-surface datum.

PERIOD OF RECORD.--October 1961, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 157 ft (47.853 m) below land-surface datum, October 1961; lowest measured, 168.55 ft (51.374 m) below land-surface datum, Apr. 27, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 27	168.55

BOLIVAR COUNTY

335630090461501. Local number, D31.

LOCATION.--Lat 33°56'30", long 90°46'15", Hydrologic Unit 08030207, SW¼NE¼ sec.12, T.24 N., R.6 W., 0.1 mi (0.2 km) west of center of Shelby at old waterworks.

Owner: Town of Shelby.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 1,575 ft (480.1 m).

DATUM.--Land-surface datum is 147 ft (44.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent hole in pump base, 1.30 ft (0.396 m) above land-surface datum.

PERIOD OF RECORD.--October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.40 ft (0.121 m) above land-surface datum, May 11, 1977; lowest measured, 21.77 ft (6.635 m) below land-surface datum, Sept. 14, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 to SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 21	20.32	SEP 14	21.77

335558090465202. Local number, D32.

LOCATION.--Lat 33°55'58", long 90°46'52", Hydrologic Unit 08030207, SE¼NE¼ sec.14, T.24 N., R.6 W., 1.5 mi (2.4 km) southwest of center of Shelby on State Highway 32 at park.

Owner: Town of Shelby.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth reported 409 ft (124.7 m).

DATUM.--Land-surface datum is about 150 ft (45.7 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of 4-in (102 mm) casing plug, 0.30 ft (0.091 m) above land-surface datum.

PERIOD OF RECORD.--September 1949, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.18 ft (7.370 m) below land-surface datum, Feb. 11, 1976; lowest measured, 33.55 ft (10.226 m) below land-surface datum, Apr. 21, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	28.08	APR 21	33.55	SEP 14	31.34

BOLIVAR COUNTY--Continued

334957090564301. Local number, F20.

LOCATION.--Lat 33°49'57", long 90°56'43", Hydrologic Unit 08030207, NE¼NW¼ sec.20, T.23 N., R.7 W., 5 mi (8 km) southeast of center of Rosedale on south side of State Highway 8.
Owner: R. C. Malone.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 16 in (406 mm), depth 120 ft (36.6 m), screened 80-120 ft (24.4-36.6 m), cased to 80 ft (24.4 m).

DATUM.--Land-surface datum is about 145 ft (44.2 m) National Geodetic Vertical Datum of 1929 Measuring point: Top of casing, 0.15 ft (0.045 m) above land-surface datum.

REMARKS.--Water levels affected by seasonal irrigation pumping.

PERIOD OF RECORD.--November 1953 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.99 ft (4.569 m) below land-surface datum, Apr. 7, 1959; lowest measured, 57.32 ft (17.471 m) below land-surface datum, Sept. 7, 1955.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 16	24.60	SEP 15	26.03

334700090584501. Local number, J8.

LOCATION.--Lat 33°47'00", long 90°58'45", Hydrologic Unit 08030207, SW¼NE¼ sec.27, T.22 N., R.8 W., near center of Beulah.

Owner: Town of Beulah.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well diameter 8 in (203 mm), depth 754 ft (29.8 m).

DATUM.--Land-surface datum is about 145 ft (44.2 m) above National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base 2.50 ft (0.762 m) above land-surface datum.

PERIOD OF RECORD.--October 1968, March 1971, April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27 ft (8.229 m) below land-surface datum, Oct. 1, 1968; lowest measured, 35.48 ft (10.814 m) below land-surface datum, Sept. 15, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 22	33.68	SEP 15	35.48

334708090584101. Local number, J135.

LOCATION.--Lat 33°47'08", long 90°58'41", Hydrologic Unit 08030207, SW¼NE¼ sec.27, T.22 N., R.8 W., 0.2 mi (0.3 km) southeast of center of Beulah at gin.

Owner: Town of Beulah.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 1,760 ft (536.4 m), screened 1,710-1,760 ft (521.2-536.4 m).

DATUM.--Land-surface datum is 146.31 ft (44.595 m) National Geodetic Vertical Datum of 1929. Measuring point: 14-in (64 mm) gate valve (since Nov. 8, 1974), 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--May 1939 to October 1963, April 1970 to April 1972, November 1974 to October 1979 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.3 ft (9.23 m) above land-surface datum, Apr. 2, 1942; lowest measured, 1.75 ft (0.533 m) above land-surface datum, Oct. 25, 1979.

334106090590902. Local number, N2.

LOCATION.--Lat 33°41'06", long 90°59'09", Hydrologic Unit 08030207, SE¼NW¼ sec.34, T.21 N., R.8 W., 2.5 mi (4.0 km) northeast of center of Benoit on east side of State Highway 1.

Owner: Welshans and Litton.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 14 in (356 mm), depth 96 ft (29.3 m).

DATUM.--Land-surface datum is about 135 ft (41.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.70 ft (0.213 m) above land-surface datum.

REMARKS.--Water levels affected by seasonal irrigation pumping.

PERIOD OF RECORD.--November 1953 to October 1963, January 1965 to October 1966, April 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.53 ft (1.075 m) below land-surface datum, May 13, 1958; lowest measured, 27.22 ft (8.296 m) below land-surface datum, Sept. 16, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 16	18.80	SEP 16	27.22

GROUND-WATER LEVELS

BOLIVAR COUNTY--Continued

333959090435001. Local number, Q150.

LOCATION.--Lat 33°39'59", long 90°43'50", Hydrologic Unit 08030207, NE¼SE¼ sec.17, T.21 N., R.5 W., at O'Reilly at gin.

Owner: Jones Bayou Gin Association.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3-2 in (76-51 mm), depth 1,310 ft (399.2 m), cased to 1,310 ft (399.2 m).

DATUM.--Land-surface datum is 133.66 ft (40.739 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in pipe (19 mm), 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--May 1939 to October 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.10 ft (6.126 m) above land-surface datum, May 30, 1939; lowest measured, 14.12 ft (4.303 m) below land-surface datum, Sept. 16, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 17	11.26	SEP 16	14.12

333530090582401. Local number, R64.

LOCATION.--Lat 31°35'30", long 90°58'24", Hydrologic Unit 08030209, SE¼SE¼ sec.12, T.20 N., R.8 W., at Stringtown.

Owner: H and Y Planting Co.

AQUIFER.--Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 520 ft (158.5 m).

DATUM.--Land-surface datum is 133 ft (40.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.8 ft (0.55 m) above land-surface datum.

PERIOD OF RECORD.--May 1939, November 1960, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.8 ft (5.73 m) below land-surface datum, May 5, 1939; lowest measured, 38.06 ft (11.600 m) below land-surface datum, Apr. 16, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 16	38.06

CALHOUN COUNTY

335118089175901. Local number, K101.

LOCATION.--Lat 33°51'18", long 89°17'59", Hydrologic Unit 08030205, NE¼SW¼ sec.13, T.23 N., R.9 E., 0.3 mi (0.5 km) northeast of center of Calhoun City at Adams Street and Taylor Street.

Owner: Town of Calhoun City.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (305 mm), depth 1,897 ft (578.2 m), cased to 1,857 ft (566.0 m).

DATUM.--Land-surface datum is about 270 ft (82.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in north side of pump base, 1.30 ft (0.396 m) above land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--February 1955 to April 1967, June 1969, June 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.75 ft (13.030 m) below land-surface datum, Mar. 14, 1957; lowest measured, 75.37 ft (22.972 m) below land-surface datum, Apr. 22, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 22	75.37

CARROLL COUNTY

333116089550401. Local number, F1.

LOCATION.--Lat 33°31'16", Long 89°55'04", Hydrologic Unit 08030205, SE¼SW¼ sec.7, T.19 N., R.4 E., near center of North Carrollton at old water plant.

Owner: Town of North Carrollton.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 1,274 ft (388.3 m).

DATUM.--Land-surface datum is about 230 ft (70.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Faucet below pump base, 0.50 ft (0.152 m) above land-surface datum.

PERIOD OF RECORD.--March 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.00 ft (6.400 m) above land-surface datum, Mar. 21, 1979; lowest measured, 6.00 ft (1.828 m) above land-surface datum, Oct. 10, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 20	18.10

CARROLL COUNTY--Continued

333057089552002. Local number, F19.

LOCATION.--Lat 33°30'57", long 89°55'20", Hydrologic Unit 08030205, SE¼SW¼ sec.7, T.19 N., R.4 E., near center of North Carrollton at old water plant.

Owner: Town of North Carrollton.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 440 ft (134.1 m).

DATUM.--Land-surface datum is about 225 ft (68.6 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of air vent in side of pump base, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--May 1961, May 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.00 ft (0.609 m) below land-surface datum, May 1, 1961; lowest measured, 13.04 ft (3.974 m) below land-surface datum, Oct. 10, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 22	8.22

CHICKASAW COUNTY

340030088444801. Local number D6.

LOCATION.--Lat 34°00'30", long 88°44'48", Hydrologic Unit 03160101, NW¼SE¼ sec.26, T.12 S., R.5 E., at Okolona at old water plant.

Owner: Town of Okolona.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well 10 in (254 mm), depth reported 400 ft (121.9 m).

DATUM.--Land-surface datum is about 307 ft (93.7 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of concrete well base, 2.50 ft (0.762 m) above land-surface datum.

PERIOD OF RECORD.--1917, October 1956, December 1958, October 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87 ft (26.517 m) below land-surface datum, 1917; lowest measured, 156.98 ft (47.847 m) below land-surface datum, Feb. 6, 1981.

WATER LEVEL, IN FEET, BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
FEB 6	156.98

335400088595001. Local number, F16.

LOCATION.--Lat 33°54'00", long 88°59'50", Hydrologic Unit 03160104, SW¼SW¼ sec.33, T.13 S., R.3 E., near center of Houston at old water plant.

Owner: Town of Houston.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 1,076 ft (328.0 m).

DATUM.--Land-surface datum is about 340 ft (103.6 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of air vent in pump base, 1.20 ft (0.365 m) above land-surface datum.

PERIOD OF RECORD.--1931, July 1940, November 1970, 1971, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80 ft (24.4 m) below land-surface datum, 1940; lowest measured 165.86 ft (50.554 m) below land-surface datum, Mar. 21, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 22	154.36

335400088594601. Local number, F18.

LOCATION.--Lat 33°54'00", long 88°59'46", Hydrologic Unit 03160104, SW¼SW¼, sec.33, T.13 S., R.3 E., near center of Houston at old water plant.

Owner: Town of Houston.

AQUIFER.--Sand of Ripley Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 130 ft (39.6 m).

DATUM.--Land-surface datum is about 340 ft (103.6 m) National Geodetic Vertical Datum of 1929. Measuring points:

plug in pump base 1.50 ft (0.457 m) above land-surface datum.

PERIOD OF RECORD.--1970, May 1972, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.23 ft (18.358 m) below land-surface datum, Mar. 21, 1979; lowest measured, 64 ft (19.5 m) below land-surface datum May 24, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 22	61.17

GROUND-WATER LEVELS

CHICKASAW COUNTY--Continued

335136039005301. Local number, K37.

LOCATION.--Lat 33°51'36", long 89°00'53", Hydrologic Unit 03180001, SW¼SW¼ sec.17, T.14 S., R.3 E., 2.5 mi (4.0 km) south of center of Houston on west side of State Highway 15.

Owner: J. D. McAlpin.

AQUIFER.--Sand of Ripley Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth reported 130 ft (39.6 m), cased to 80 ft (24.4 m).

DATUM.--Land-surface datum is about 320 ft (97.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--October 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.40 ft (18.105 m) below land-surface datum, Mar. 20, 1962; lowest measured, 67.10 ft (20.452 m) below land-surface datum, Oct. 28, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 22	65.05

CHOCTAW COUNTY

331849089105101. Local number, H1.

LOCATION.--Lat 33°18'49", long 89°10'51", Hydrologic Unit 03180001, NE¼NE¼ sec.30, T.17 N., R.11 E., 0.2 mi (0.3 km) west of center of Ackerman.

Owner: Town of Ackerman

AQUIFER.--Sand of Wilcox Formation of early Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 100 ft (30.4 m), cased to 76 ft (23.1 m).

DATUM.--Land-surface datum is about 518 ft (157.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.50 ft (0.457 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--January 1957, October 1969, February 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13 ft (4.0 m) below land-surface datum, 1957; lowest measured, 28.30 ft (8.625 m) below land-surface datum, Sept. 29, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5					---	27.43	26.91	26.73	26.89	27.12	27.54	27.84
10					27.38	27.41	26.92	27.19	27.08	26.88	27.36	27.52
15					27.53	27.37	26.91	27.03	26.81	27.37	28.06	28.12
20					27.53	27.06	26.14	27.13	26.77	27.42	27.61	27.94
25					27.07	27.19	26.61	27.03	27.39	27.57	27.65	27.91
EOM					27.28	26.83	27.05	27.21	27.62	27.51	27.69	28.11

331543089171801. Local number, J35.

LOCATION.--Lat 33°15'43", long 89°17'18", Hydrologic Unit 03180001, NW¼SE¼ sec.8, T.16 N., R.10 E., 0.3 mi (0.5 km) south of center of Weir near Baptist Church.

Owner: Inez Power.

AQUIFER.--Sand of upper part of Wilcox Group of early Eocene age.

WELL CHARACTERISTICS.--Dug unused artesian well, diameter 30 in (762 mm), depth 28 ft (8.5 m).

DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 30-in (76 mm) concrete curb, 2.00 ft (0.609 m) above land-surface datum.

PERIOD OF RECORD.--October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.86 ft (4.834 m) below land-surface datum, May 7, 1980; lowest measured, 22.55 ft (6.873 m) below land-surface datum, Oct. 28, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	20.24	JAN 12	19.52	MAR 10	20.03	JUN 29	21.40	SEP 25	22.14
DEC 4	19.20	FEB 26	20.24	APR 10	19.68	AUG 25	21.03		

CLAIBORNE COUNTY

315718090591501. Local number, L5.

LOCATION.--Lat 31°57'18", long 90°59'15", Hydrologic Unit 08060203, Irregular Lot 4, T.11 N., R.2 E., 0.2 mi (0.3 km) south of center of Port Gibson at Oak Street and Main Street.

Owner: Town of Port Gibson.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth reported 250 ft (76.2 m).

DATUM.--Land-surface datum is about 120 ft (36.6 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of concrete base 2.00 ft (0.609 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--April 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.87 ft (23.430 m) below land-surface datum, Apr. 22, 1963; lowest measured, 125.52 ft (38.258 m) below land-surface datum, June 6, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 9	123.64

CLAY COUNTY

333620088392503. Local number, H4.

LOCATION.--Lat 33°36'20", long 88°39'00", Hydrologic Unit 03160104, NW¼NE¼ sec.15, T.17 S., R.6 E., 0.2 mi (0.3 km) southwest of center of West Point.

Owner: City of West Point.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 20 in (508 mm), depth 386 ft (117.7 m).

DATUM.--Land-surface datum is about 215 ft (65.5 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of air vent in pump base, 3.00 ft (0.914 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--December 1953, February 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 99 ft (30.2 m) below land-surface datum, December 1953; lowest measured, 183.77 ft (56.013 m) below land-surface datum, Aug. 25, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	176.78	JUL 1	178.40	SEP 23	179.92
MAY 12	176.90	AUG 25	183.77		

333712088384601. Local number, H46.

LOCATION.--Lat 33°37'12", long 88°38'46", Hydrologic Unit 03160104, NE¼NW¼ sec.11, T.17 S., R.6 E., 1 mi (2 km) northeast of center of West Point on east side of Illinois Central Railroad.

Owner: City of West Point.

AQUIFER.--Sand and gravel of Gordo Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 810 ft (246.9 m), cased to 750 ft (228.6 m).

DATUM.--Land-surface datum is about 240 ft (73.2 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of recorder house floor, 2.10 ft (0.640 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--July 1963, May 1969, January 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.95 ft (8.519 m) below land-surface datum, July 16, 1963; lowest measured, 86.69 ft (26.423 m) below land-surface datum, Dec. 2, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5				---	70.16	70.05	68.81	---		69.60	70.97	---
10				---	69.43	69.74	70.06	---		70.14	70.87	---
15				70.19	68.88	68.95	69.59	---		70.56	71.08	---
20				69.76	---	69.96	69.34	---		70.38	71.03	---
25				68.59	69.97	69.85	69.32	69.71		70.57	71.04	72.05
EOM				69.72	69.61	69.56	---	---		70.71	70.99	71.79

CLAY COUNTY--Continued

333530088393501. Local number, H151.

LOCATION.--Lat 33°35'30", long 88°39'35", Hydrologic Unit 03160104, NE¼NW¼ sec.22, T.17 S., R.6 E., 4.5 mi (7.3 km) north of West Point on west side of U.S. Highway 45.

Owner: Prairie Livestock.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 400 ft (121.9 m).

DATUM.--Land-surface datum is about 205 ft (62.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent, at land-surface datum.

PERIOD OF RECORD.--September 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 160.82 ft (49.017 m) below land-surface datum, Apr. 5, 1978; lowest measured, 190.20 ft (57.973 m) below land-surface datum, Oct. 5, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 11	163.02

COAHOMA COUNTY

342400090322001. Local number, C111.

LOCATION.--Lat 34°24'00", long 90°32'20", Hydrologic Unit 08030204, NW¼SW¼ sec.7, T.29 N., R.2 W., 1 mi (2 km) south of center of Rich at Rose Acres Plantation headquarters.

Owner: Norfleet and Wilsford.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3-2 in (76-51 mm), depth 1,837 ft (559.9 m), screened 1,796-1,837 ft (547.4-559.9 m).

DATUM.--Land-surface datum is 180.88 ft (55.132 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in (76 mm) tee, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--March 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.8 ft (12.43 m) above land-surface datum, July 26, 1940; lowest measured, 6.20 ft (1.889 m) below land-surface datum, Sept. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 16	5.58	SEP 17	6.20	NOV 20	2.80

341720090304301. Local number, F12.

LOCATION.--Lat 34°17'19", long 90°30'43", Hydrologic Unit 08030207, NE¼NW¼ sec.21, T.28 N., R.3 W., 8 mi (13 km) northeast of center of Clarksdale at airport on U.S. Highway 61.

Owner: City of Clarksdale.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth reported 900 ft (274.3 m).

DATUM.--Land-surface datum is about 168 ft (51.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of casing, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--April 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.82 ft (1.773 m) below land-surface datum, Apr. 14, 1971; lowest measured, 12.64 ft (3.852 m) below land-surface datum, Sept. 17, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 17	12.18	SEP 17	12.64

341311090371801. Local number, J5.

LOCATION.--Lat 34°13'11", long 90°37'18", Hydrologic Unit 08030207, SW¼NE¼SW¼ sec.9, T.27 N., R.4 W., 3.2 mi (5.1 km) northwest of Clarksdale.

Owner: E.L. Anderson.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in (406 mm), depth 118 ft (36.0 m).

DATUM.--Land-surface datum is about 172 ft (52.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.40 ft (1.036 m) above land-surface datum.

PERIOD OF RECORD.--April 1955, September 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23 ft (7.0 m) below land-surface datum, April 1955; lowest measured, 28.00 ft (8.534 m) below land-surface datum, Aug. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5							---	26.60	26.77	27.42	27.84	27.93
10							---	26.61	26.82	27.49	27.89	27.91
15							26.46	26.62	26.97	27.57	27.99	27.88
20							---	26.58	27.11	27.66	27.98	27.86
25							---	26.58	27.25	27.70	27.99	27.87
EOM							---	26.52	27.35	27.78	27.97	27.86

COAHOMA COUNTY--Continued

341202090343701. Local number, J98.

LOCATION.--Lat 34°12'02", long 90°34'37", Hydrologic Unit 08030207, SW¼NE¼ sec.23, T.27 N., R.4 W., 0.2 mi (0.3 km) west of center of Clarksdale at Second Street and Riverside Avenue.

Owner: City of Clarksdale.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 1,200 ft (365.8 m).

DATUM.--Land-surface datum is about 150 ft (45.7 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of 2-in (51 mm) pipe, 0.30 ft (0.091 m) above land-surface datum.

PERIOD OF RECORD.--October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.00 ft (0.304 m) below land-surface datum, Apr. 2, 1976; lowest measured, 9.40 ft (2.865 m) below land-surface datum, Sep. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 17	6.08	SEP 17	9.40

341230090323101. Local number, K22.

LOCATION.--Lat 34°12'30", long 90°32'31", Hydrologic Unit 08030207, SW¼NE¼ sec.18, T.27 N., R.4 W., near center of Lyon.

Owner: Town of Lyon.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 1,242 ft (378.6 m).

DATUM.--Land-surface datum is about 170 ft (51.8 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of casing, 1.50 ft (0.457 m) above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--October 1961, August 1973, July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 30 ft (9.1 m) above land-surface datum, Oct. 30, 1961; lowest measured, 23.80 ft (7.254 m) below land-surface datum, July 15, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 15	23.80	SEP 17	22.93

COPIAH COUNTY

315314090233701. Local number, J33.

LOCATION.--Lat 31°53'14", long 90°23'37", Hydrologic Unit 03180003, NE¼NW¼ sec.34, T.1 N., R.2 W., 2 mi (3 km) north of center of Hazlehurst.

Owner: R. C. Owen Co.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 260 ft (79.2 m), cased to 240 ft (73.2 m).

DATUM.--Land-surface datum is about 430 ft (131.1 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of recorder house floor, 1.50 ft (0.467 m) above land-surface datum, Sept. 4, 1977.

PERIOD OF RECORD.--September 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 93.00 ft (28.346 m) below land-surface datum, September 1967; lowest measured, 101.14 ft (30.827 m) below land-surface datum, Nov. 8, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 1	100.98

315130090233901. Local number, P8.

LOCATION.--Lat 31°51'30", long 90°23'39", Hydrologic Unit 03180003, SW¼ sec.10, T.10 N., R.8 E., at water plant near center of Hazlehurst.

Owner: Town of Hazlehurst.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 300 ft (91.4 m), cased to 260 ft (79.2 m).

DATUM.--Land-surface datum is about 442.7 ft (134.94 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 10 in (254 mm) casing at land-surface datum.

PERIOD OF RECORD.--1954, 1957, August 1971, April 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 172.71 ft (52.642 m) below land-surface datum, Oct. 11, 1978; lowest measured, 196 ft (59.7 m) below land-surface datum, 1954.

WATER LEVEL BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 7	172.71

GROUND-WATER LEVELS

COPIAH COUNTY--Continued

315128090205202. Local number, P49.

LOCATION.--Lat 31°51'28", long 90°20'52", Hydrologic Unit 031800003, NE¼NE¼ sec.12, T.10 N., R.8 E., 5 mi (5 km) east of center of Hazlehurst at Shady Grove Community.

Owner: Town of Hazlehurst.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 295 ft (89.9 m), cased to 225 ft (68.6 m).

DATUM.--Land-surface datum is about 435 ft (132.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.60 ft (0.487 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1967, August 1971, April 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 110 ft (33.5 m) below land-surface datum, 1967; lowest measured, 143.60 ft (43.769 m) below land-surface datum, Apr. 1, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 9	138.36

COVINGTON COUNTY

314447089302201.--Local number, C28.

LOCATION.--Lat 31°44'47", long 89°30'22", Hydrologic Unit 031700004, NW¼SW¼ sec.15, T.9 N., R.15 W., 10 mi (16 km) southeast of Mt. Olive on State Highway 532.

Owner: Mississippi Forestry Commission.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (76 mm), depth 250 ft (76.2 m).

DATUM.--Land-surface datum is about 400 ft (121.9 m) National Vertical Datum of 1929. Measuring point: Top of concrete slab, 0.50 ft (0.152 m) above land-surface datum.

PERIOD OF RECORD.--August 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 119.83 ft (36.524 m) below land-surface datum, Mar. 31, 1981; lowest measured, 123.80 ft (37.734 m) below land-surface datum, Jan. 17, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 31	119.83

DE SOTO COUNTY

345726089492901. Local number, D2.

LOCATION.--Lat 34°57'26" long 89°49'29", Hydrologic Unit 080302004, SE¼NW¼ sec.34, T.1 S., R.6 W., 0.35 mi (0.56 km) east of center of Olive Branch.

Owner: Town of Olive Branch.

AQUIFER.--Sparta Sand of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in (254 mm), depth 266 ft (81.1 m).

DATUM.--Land-surface datum is about 400 ft (121.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Breather hole in pump base, 2.00 ft (0.609 m) above land-surface datum.

PERIOD OF RECORD.--1956, January 1973, April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 133.40 ft (40.660 m) below land-surface datum, 1956; lowest water level measured 140.42 ft (42.800 m) below land-surface datum, Jan. 31, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 21	137.39

FORREST COUNTY

312115089193601. Local number, B6.

LOCATION.--Lat 31°21'15", long 89°19'36", Hydrologic Unit 03170004, SE¼NW¼ sec.32, T.5 N., R.13 W., 2.8 mi (4.5 km) northwest of center of Hattiesburg on Lakeview Road.

Owner: City of Hattiesburg.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 444 ft (135.3 m).

DATUM.--Land-surface datum is 167.27 ft (50.983) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 4.50 ft (1.371 m) above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--September 1955, May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9 ft (2.7 m) below land-surface datum, Sept. 1, 1955; lowest measured 35.25 ft (10.744 m) Aug. 31, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 14	28.47	AUG 31	35.25

311834089170101. Local number, D8.

LOCATION.--Lat 31°18'34", long 89°17'01", Hydrologic Unit 03170005, SE¼NE¼ sec.15, T.4 N., R.13 W., 2 mi (3 km) southeast of center of Hattiesburg at Williams Street and Alcorn Street.

Owner: City of Hattiesburg.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 710 ft (216.4 m), screened 610-710 ft (185.9-216.4 m).

DATUM.--Land-surface datum is about 140 ft (42.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.75 ft (0.533 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--December 1964, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.07 ft (6.422 m) below land-surface datum, Dec. 21, 1964; lowest measured, 97.88 ft (29.833 m) below land-surface datum, May 14, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 11	91.96	FEB 16	83.49	MAY 14	97.88	AUG 31	72.65

311930089173001. Local number, D130.

LOCATION.--Lat 31°19'30", long 89°17'30", Hydrologic Unit 03170005, SE¼NW¼ sec.10, T.4 N., R.13 W., 0.1 mi (0.2 km) south of center of Hattiesburg at Front Street and Hemphill Street at Community Center.

Owner: City of Hattiesburg.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 390 ft (118.9 m), screened 310-390 ft (94.5-118.9 m).

DATUM.--Land-surface datum is 151.76 ft (46.26 m) National Geodetic Vertical Datum of 1929. Measuring point: Top edge of discharge pipe, 7.75 ft (2.362 m) above land-surface datum.

PERIOD OF RECORD.--March 1940 to July 1954, November 1956 to April 1973, June 1975 to April 1980 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.25 ft (2.209 m) above land-surface datum, June 12, 1950; lowest measured, 33.08 ft (10.082 m) below land-surface datum, Oct. 4, 1978.

311137089110501. Local number, G116.

LOCATION.--Lat 31°11'37", long 89°11'05", Hydrologic Unit 03170007, SW¼NE¼ sec.27, T.3 N., R.12 W., 3 mi (5 km) east of south gage of Camp Shelby at Jackson Avenue and 39th Street.

Owner: U.S. Government-Mississippi National Guard. Camp Shelby.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4-3 in (102-76 mm), depth 416 ft (126.8 m), screened 382-416 ft (116.4-127.8 m).

DATUM.--Land-surface datum is 258.44 ft (78.772 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (102 mm) casing flange, 2.00 ft (0.609 m) above land-surface datum.

REMARKS.--Occasional pumping nearby.

PERIOD OF RECORD.--1943-45, February 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 122.08 ft (37.210 m) below land-surface datum, Apr. 2, 1954; lowest measured, 142.40 ft (43.403 m) below land-surface datum, Nov. 6, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 1	142.10

GROUND-WATER LEVELS
FORREST COUNTY--Continued

310130089094301 (formerly 310130089093101). Local number, L23.
LOCATION.--Lat 31°01'30", long 89°09'43", Hydrologic Unit 03170007, NW¼NW¼ sec.25, T.1 N., R.12 W., 3 mi (5 km) southeast of center of Brooklyn at Ashe Nursery.
Owner: Ashe Nursery.
AQUIFER.--Sand of Hattiesburg Formation of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 728 ft (221.9 m).
DATUM.--Land-surface datum is about 285 ft (86.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 0.50 ft (0.152 m) above land-surface datum.
PERIOD OF RECORD.--April 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 166.50 ft (50.749 m) below land-surface datum, Aug. 5, 1971, lowest measured, 177.46 ft (54.089 m) below land-surface datum, Oct. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 1	176.75

FRANKLIN COUNTY

313026091035101. Local number, F1.
LOCATION.--Lat 31°30'26", long 91°03'51", Hydrologic Unit 08060205, NW¼NE¼ sec.19, T.6 N., R.1 E., 0.1 mi (0.2 km) northeast of center of Roxie at 3rd Street and East Boulevard.
Owner: Town of Roxie.
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 250 ft (76.2 m), cased to 230 ft (70.1 m).
DATUM.--Land-surface datum is about 230 ft (70.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 1.90 ft (0.579 m) above land-surface datum.
PERIOD OF RECORD.--May 1960 to April 1972, May 1974 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.89 ft (6.062 m) below land-surface datum, Mar. 22, 1976; lowest measured, 28.78 ft (8.772 m) below land-surface datum, May 9, 1968.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 9	21.09

GREENE COUNTY

313530088310501 (Formerly 311435088312201). Local number, M2.
LOCATION.--Lat 31°35'30", long 88°31'05", Hydrologic Unit 03170003, NE¼NW¼ sec.7, T.3 N., R.5 W., 8 mi (13 km) northeast of center of Leakesville.
Owner: H. F. Garreston, Jr.
AQUIFER.--Sand of Miocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 703 ft (214.3 m).
DATUM.--Land-surface datum is about 107 ft (32.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of discharge pipe, 2.00 ft (0.609 m) above land-surface datum.
PERIOD OF RECORD.--January 1970 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.0 ft (6.70 m) above land-surface datum, Jan. 22, 1970; Apr. 24, 1974; lowest measured, 15.0 ft (4.57 m) above land-surface datum, Apr. 21, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 20	15.90

GRENADA COUNTY

335032089473101. Local number B102.
LOCATION.--Lat 33°50'32", long 89°47'31", Hydrologic Unit 08030205, SE¼SE¼ sec.20, T.23N., R.5 E., 4 mi (6 km) north of center of Grenada at Grenada Airport.
Owner: City of Grenada.
AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 195 ft (59.4 m).
DATUM.--Land-surface datum is 210 ft (64.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Breather hole in pump base, 2.00 ft (0.609 m) above land-surface datum.
PERIOD OF RECORD.--November 1979 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.44 ft (1.048 m) below land-surface datum, Nov. 1, 1979; lowest water level measured, 6.52 ft (1.987 m) below land-surface datum, Apr. 21, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 21	6.52

GRENADA COUNTY--Continued

334556089583501. Local number, F112.

LOCATION.--Lat 33°45'56", long 89°58'45", Hydrologic Unit 08030205, SE¼SE¼ sec.16, T.22 N., R.3 E., 0.2 mi (0.3 km) northwest of center of Holcomb at school.

Owner: Holcomb School.

AQUIFER.--Sand of Wilcox Group of late Paleocene.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (76 mm), depth 983 ft (299.6 m), screened 943-983 ft (287.4-299.6 m).

DATUM.--Land-surface datum is 183.14 ft (55.821 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in (76 mm) tee, 1.40 ft (0.426 m) above land-surface datum, or top of discharge pipe, 1.20 ft (0.365 m) above land-surface datum.

PERIOD OF RECORD.--January 1939 to June 1969, May 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.4 ft (9.26 m) above land-surface datum, July 31, 1941; lowest measured, 6.0 ft (1.83 m) above land-surface datum, Apr. 28, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 20	11.80

334128089441701. Local number, H111.

LOCATION.--Lat 33°41'28", long 89°44'17", Hydrologic Unit 08030205, SE¼SE¼ sec.11, T.21 N., R.5 E., 1 mi (2 km) east of center of Elliot on west bank of Batupan Bogue.

Owner: E. T. Hill.

AQUIFER.--Sand of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 502 ft (153.0 m), screened 421-502 ft (128.3-153.0 m).

DATUM.--Land-surface datum is 208.69 ft (63.608 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base (since Feb. 11, 1976), 4.00 ft (1.219 m) above land-surface datum.

PERIOD OF RECORD.--1943, February 1954 to October 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.50 ft (4.724 m) above land-surface datum, Jan. 2, 1943; lowest measured, 0.34 ft (0.103 m) below land-surface datum, Apr. 21, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 21	0.34

334147089433801. Local number, H113.

LOCATION.--Lat 33°41'47", long 89°43'38", Hydrologic Unit 08030205, NE¼SW¼ sec.12, T.21 N., R.5 E., 1.5 mi (2.4 km) east of center of Elliot.

Owner: J. W. Willis, Sr.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12-10 in (305-254 mm), depth 211 ft (64.3 m), screened 161-211 ft (49.1-64.3 m).

DATUM.--Land-surface datum is 216.70 ft (66.050 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent hole in pump base, 3.40 ft (1.035 m) above land-surface datum.

PERIOD OF RECORD.--1954 to October 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.96 ft (0.597 m) below land-surface datum, Mar. 21, 1979; lowest measured, 15.74 ft (4.797 m) below land-surface datum, Nov. 6, 1957.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 20	9.44

334148089425701. Local number, J2.

LOCATION.--Lat 33°41'48", long 89°42'57", Hydrologic Unit 08030205, NW¼SW¼ sec.7, T.21 N., R.6 E., 2.5 mi (4.0 km) east of center of Elliot.

Owner: J. W. Willis, Jr.

AQUIFER.--Sand of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 12 in (305 mm), depth 429 ft (130.8 m), cased to 390 ft (118.9 m).

DATUM.--Land-surface datum is 227.21 ft (69.253 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base (since Feb. 11, 1976, 1.50 ft (0.457 m) above land-surface datum.

PERIOD OF RECORD.--September 1942, October 1956 to October 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.10 ft (0.640 m) above land-surface datum, Sept. 19, 1942; lowest measured, 16.09 ft (4.904 m) below land-surface datum, Apr. 20, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 20	16.09

HANCOCK COUNTY

302158089372901. Local number, H3.

LOCATION.--Lat 30°21'58", long 89°37'29", Hydrologic Unit 03180004, SW¼NW¼ sec.8, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 1,524 ft (464.5 m), cased to 1,464 ft (446.2 m).

DATUM.--Land-surface datum is 28 ft (8.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of well head 4.20 ft (1.280 m) above land-surface datum.

PERIOD OF RECORD.--January 1963, October 1965 to January 1968, April 1970, April 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87 ft (26.5 m) above land-surface datum, January 1963; lowest measured, 54.5 ft (16.61 m) above land-surface datum, Mar. 18, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	57.0	MAR 18	54.5

302140089345901. Local number, H4.

LOCATION.--Lat 30°21'40", long 89°34'59", Hydrologic Unit 03180004, NE¼SE¼ sec.10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in (457 mm), depth 1,873 ft (570.9 m), cased to 1,803 ft (549.6 m).

DATUM.--Land-surface datum is 21 ft (6.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of faucet 1.90 ft (0.579 m) above land-surface datum.

PERIOD OF RECORD.--1963, August 1965 to January 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 104 ft (31.7 m) above land-surface datum, 1963; lowest measured, 71.2 ft (21.70 m) above land-surface datum, Oct. 31, 1980.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
OCT 31	71.2

302227089373001. Local number, H5.

LOCATION.--Lat 30°22'27", long 89°37'30", Hydrologic Unit 03180004, NE¼SW¼ sec.5, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (304 mm), depth 1,481 ft (451.4 m), cased to 1,420 ft (432.8 m).

DATUM.--Land-surface datum 29 ft (8.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of well head 6.20 ft (1.889 m) above land-surface datum.

PERIOD OF RECORD.--May 1964 to March 1968, Apr. 1 1970, April 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.3 ft (24.78 m) above land-surface datum June 3, 1966; lowest measured, 52.2 ft (15.91 m) above land-surface datum Mar. 18, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 18	52.2

302140089351401. Local number, H6.

LOCATION.--Lat 30°21'40", long 89°35'14", Hydrologic Unit 03180004, NE¼SW¼ sec.10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in (457 mm), depth 1,695 ft (516.6 m), cased to 1,585 ft (483.1 m).

DATUM.--Land-surface datum is 23 ft (7.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 3.0 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--October 1965 to February 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.9 ft (28.93 m) above land-surface datum, Nov. 11, 1965; lowest measured, 63.3 ft (19.29 m) above land-surface datum, Oct. 31, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
OCT 31	63.30

HANCOCK COUNTY--Continued

302206089350601. Local number, H7.

LOCATION.--Lat 30°22'06", long 89°35'06", Hydrologic Unit 03180004, NW¼NE¼ sec.10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (304 mm), depth 1,434 ft (437.1 m), cased to 1,371 ft (417.9 m).

DATUM.--Land-surface datum is 25 ft (7.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Bottom of recorder 0.4 ft (0.12 m) below land-surface datum.

PERIOD OF RECORD.--1964, 1967, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.6 ft (27.31 m) above land-surface datum, Mar. 1, 1967; lowest measured, 60.33 ft (18.388 m) above land-surface datum, June 5, 1980.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	64.18	MAR 18	63.30

302126089351401. Local number, H8.

LOCATION.--Lat 30°21'26", long 89°35'14", Hydrologic Unit 03180004, SW¼SE¼ sec.10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 24 in (610 mm), depth 672 ft (204.8 m), cased to 460 ft (140.2 m).

DATUM.--Land-surface datum is 19 ft (5.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 3.5 ft (1.10 m) above land-surface datum.

PERIOD OF RECORD.--April 1965 to January 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.9 ft (4.54 m) above land-surface datum, Apr. 19, 1965; lowest measured, 5.1 ft (1.55 m) above land-surface datum, Apr. 25, 1970.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	5.40	MAR 18	8.09

302118089351501. Local number, H11.

LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼NE¼ sec.15, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 676 ft (206.0 m), cased to 646 ft (196.9 m).

DATUM.--Land-surface datum is 21.4 ft (6.52 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (19 mm) gate valve, 2.90 ft (0.883 m) above land-surface datum.

PERIOD OF RECORD.--July 1967 to April 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.5 ft (5.33 m) above land-surface datum, Apr. 20, 1972; lowest measured, 9.0 ft (2.74 m) above land-surface datum, Apr. 11, 1968.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 18	9.12

302118089351502. Local number, H12.

LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼NE¼ sec.15, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 599 ft (182.6 m), cased to 569 ft (173.4 m).

DATUM.--Land-surface datum is 20.9 ft (6.40 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (19 mm) gate valve, 2.90 ft (0.883 m) above land-surface datum.

PERIOD OF RECORD.--July 1967 to April 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.5 ft (4.42 m) above land-surface datum, Apr. 20, 1972; lowest measured, 5.5 ft (1.68 m) above land-surface datum, Apr. 11, 1968.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 18	7.30

HANCOCK COUNTY--Continued

302118089351503. Local number, H13.

LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼NE¼ sec.15, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 491 ft (149.7 m), cased to 461 ft (140.5 m).

DATUM.--Land-surface datum is 21.2 ft (6.46 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (19 mm) gate valve, 2.60 ft (0.792 m) above land-surface datum.

PERIOD OF RECORD.--July 1967 to April 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.5 ft (3.81 m) above land-surface datum, Apr. 20, 1972, lowest measured, 1.0 ft (0.30 m) above land-surface datum, Apr. 11, 1968.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 18	4.65

302118089351504. Local number, H14.

LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NE¼ sec.15, T.8 S., R.6 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA)

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 144 ft (43.9 m), cased to 84 ft (25.6 m).

DATUM.--Land-surface datum is about 20 ft (6.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft (0.457 m) above land-surface datum.

PERIOD OF RECORD.--1968, January 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.6 ft (1.10 m) below land-surface datum, May 1, 1974; lowest measured, 8.3 ft (2.53 m) below land-surface datum, June 3, 1968.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 18	5.52

301858089202301. Local number, K1.

LOCATION.--Lat 30°18'58", long 89°20'23", Hydrologic Unit 03170009, NW¼SW¼ sec.3, T.8 S., R.13 W., 0.5 mi (0.8 km) south of center of Bay St. Louis at St. Charles Street and Hancock Street.

Owner: City of Bay St. Louis.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 1,300 ft (396.2 m), cased to 1,280 ft (390.1 m).

DATUM.--Land-surface datum is about 16 ft (4.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of plate on well head, 1.20 ft (0.365 m) above land-surface datum.

PERIOD OF RECORD.--November 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.1 ft (9.17 m) above land-surface datum, Nov. 1, 1960; lowest measured, 4.44 ft (1.353 m) below land-surface datum, July 16, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 19	3.58

301900089201801. Local number, K4.

LOCATION.--Lat 30°19'00", long 89°20'18", Hydrologic Unit 03170009, SW¼ sec.30, T.8 S., R.13 W., 0.2 mi (0.3 km) north of Beach Boulevard on St. Charles Street.

Owner: City of Bay St. Louis.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in (203 mm), depth 1,210 ft (368.8 m), cased to 1,150 ft (350.5 m).

DATUM.--Land-surface datum is about 16 ft (4.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base at land-surface datum.

PERIOD OF RECORD.--August 1975, April 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17 ft (5.2 m) above land-surface datum, August 1975; lowest water level measured 2.65 ft (0.807 m) above land-surface datum, Mar. 19, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 19	2.65

HARRISON COUNTY

303110089070201. Local number, G121.

LOCATION.--Lat 30°31'10", long 87°07'02", Hydrologic Unit 03170009, NE¼SW¼ sec.17, T.6 S., R.11 W., 2 mi (3 km) northwest of center of Lyman at fish hatchery.

Owner: Mississippi Game and Fish Commission.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (76 mm), depth 456 ft (139.0 m), screened 416-456 ft (126.8-139.0 m).

DATUM.--Land-surface datum is about 70 ft (21.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft (0.121 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1939, July 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.0 ft (3.05 m) below land-surface datum, Apr. 14, 1939; lowest measured, 55.25 ft (16.840 m) below land-surface datum, Mar. 19, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 19	55.25

302240089025401. Local number, L144.

LOCATION.--Lat 30°22'40", long 89°02'54", Hydrologic Unit 03170009, SW¼NW¼ sec.1, T.8 S., R.11 W., 2.5 mi (4.0 km) east of center of Gulfport at V.A. Hospital on U.S. Highway 90.

Owner: U.S. Government (V.A. Hospital).

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth reported 898 ft (273.7 m), cased to 818 ft (249.3 m).

DATUM.--Land-surface datum is about 21 ft (6.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Steel plate on top of tee, 3.00 ft (0.914 m) above land-surface datum.

PERIOD OF RECORD.--March 1939, June 1957 to December 1958, April 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.3 ft (8.62 m) above land-surface datum, Mar. 17, 1939; lowest measured, 34.05 ft (10.378 m) below land-surface datum, Oct. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 19	31.82

302200089053301. Local number, L154.

LOCATION.--Lat 30°22'00", long 89°05'33", Hydrologic Unit 03170009, NW¼NE¼ sec.9, T.8 S., R.11 W., at center of Gulfport at post office at U.S. Highways 49 and 90.

Owner: U.S. Post Office Dept., Gulfport.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (76 mm), depth 1,262 ft (384.7 m), screened 1,232-1,262 ft (375.6-384.7 m).

DATUM.--Land-surface datum is 19.62 ft (5.980 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in (76 mm) casing tee, 1.70 ft (0.518 m) above land-surface datum.

PERIOD OF RECORD.--March 1939 to October 1950, January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.1 ft (8.26 m) above land-surface datum, Jan. 31, 1940; lowest measured, 14.59 ft (4.447 m) below land-surface datum, Oct. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 19	13.19

302127089051901. Local number, L172.

LOCATION.--Lat 30°21'27", long 89°05'19", Hydrologic Unit 03170009, NW¼NE¼ sec.9, T.8 S., R.11 W., 0.7 mi (1.1 km) south of center of Gulfport on south end of municipal pier.

Owner: Gulfport Municipal Harbor. South end of main pier.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth reported 800 ft (243.8 m), cased to 760 ft (231.6 m).

DATUM.--Land-surface datum is 7.6 ft (2.93 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.70 ft (0.518 m) above land-surface datum.

PERIOD OF RECORD.--1939, June 1956 to November 1974, April 1977 to September 1981 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.0 ft (11.58 m) above land-surface datum, Mar. 16, 1939; lowest measured, 5.8 ft (1.77 m) below land-surface datum, Nov. 6, 1974.

GROUND-WATER LEVELS

HARRISON COUNTY--Continued

302355088540301. Local number, M120.

LOCATION.--Lat 30°23'55", long 88°54'03", Hydrologic Unit 03170009, NW¼SE¼ sec.26, T.7 S., R.9 W., 1 mi (2 km) west of center of Biloxi at Howard Avenue and Querens Street.

Owner: City of Biloxi.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth reported 928 ft (282.9 m), sounded to 660 ft (201.2 m).

DATUM.--Land-surface datum is 21.28 ft (6.486 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in (203 mm) flange, 3.00 ft (0.914 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1903, January 1945 to June 1946, March 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.0 ft (13.41 m) above land-surface datum, 1903; lowest measured, 77.68 ft (23.676 m) below land-surface datum, July 29, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	66.61	61.25	50.97	49.46	59.93	58.51	56.94	62.38	70.11	68.95	74.06	68.57
10	66.33	60.62	57.97	54.50	56.90	60.37	59.59	61.40	67.96	71.05	71.90	68.20
15	65.90	59.79	51.44	58.40	58.13	59.23	62.50	64.84	69.08	72.34	72.77	69.84
20	65.46	54.66	56.34	60.38	59.30	59.54	63.98	66.32	71.46	74.39	71.32	68.50
25	65.87	53.27	54.54	60.44	60.19	57.32	61.43	65.49	72.13	76.65	71.37	68.31
DOM	61.01	51.63	49.79	60.13	58.50	59.04	61.94	66.51	71.36	76.43	67.51	70.62

301856089145301. Local number, N3.

LOCATION.--Lat 30°18'56", long 89°14'53", Hydrologic Unit 03170009, SW¼NW¼ sec.30, T.8 S., R.13 W., 0.1 mi (0.2 km) northwest of center of Pass Christian at 2nd and Clark Streets.

Owner: Town of Pass Christian.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 1,111 ft (338.7 m), cased to 1,051 ft (320.3 m).

DATUM.--Land-surface datum is about 15 ft (4.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in (203 mm) tee, 2.00 ft (0.609 m) above land-surface datum.

PERIOD OF RECORD.--1948, 1968, August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39 ft (11.9 m) above land-surface datum, 1948; lowest measured, 2.37 ft (0.722 m) above land-surface datum, Mar. 19, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 19	2.37

HINDS COUNTY

322828090170501. Local number, C15.

LOCATION.--Lat 32°28'28", long 90°17'05", Hydrologic Unit 08060202, SW¼SE¼ sec.3, T.2 N., R.1 W., 0.2 mi (0.3 km) northeast of center of Pocahontas at elevated water tank.

Owner: Town of Pocahontas.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth reported 786 ft (239.6 m).

DATUM.--Land-surface datum is about 240 ft (73.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in plate on well head, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--September 1959, September 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87.60 ft (26.700 m) below land-surface datum, Sept. 15, 1959; lowest measured, 110.55 ft (33.695 m) below land-surface datum, Oct. 23, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	110.55	MAR 25	110.1

HINDS COUNTY--Continued

321949090361501. Local number, D1.

LOCATION.--Lat 32°19'49", long 90°36'15", Hydrologic Unit 08060202, SW¼SW¼ sec.27, T.6 N., R.4 W., 0.2 mi (0.3 km) south of center of Edwards on State Highway 467.

Owner: Town of Edwards.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 1,154 ft (351.7 m).

DATUM.--Land-surface datum is about 220 ft (67.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Breather hole in west side of pump base, at land-surface datum.

PERIOD OF RECORD.--1930, September 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84 ft (25.6 m) below land-surface datum, 1930; lowest measured, 117.02 ft (35.667 m) below land-surface datum, Mar. 26, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	114.46	MAR 26	117.02

322027090223101. Local number, F9.

LOCATION.--Lat 32°20'27", long 90°22'31", Hydrologic Unit 08060202, SE¼SW¼ sec.23, T.6 N., R.2 W., 2.8 mi (4.5 km) west of Clinton off old Highway 80.

Owner: Lakeridge Subdivision.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 1,004 ft (306.0 m).

DATUM.--Land-surface datum is about 337 ft (102.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (102 mm) casing, 0.25 ft (0.076 m) above land-surface datum.

PERIOD OF RECORD.--January 1951, September 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 205 ft (62.5 m) below land-surface datum, Jan. 15, 1951; lowest measured, 248.23 (75.660 m) below land-surface datum, Aug. 30, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	239.45	JUN 22	240.44	AUG 30	248.23

321945090152201. Local number, G125.

LOCATION.--Lat 32°19'45", long 90°15'22", Hydrologic Unit 03180002, SE¼SW¼ sec.25, T.6 N., R.1 W., 5 mi (8 km) northwest of center of Jackson at Clinton Boulevard and Dixon Road.

Owner: Shady Oaks Country Club.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 852 ft (259.7 m), cased to 802 ft (244.4 m).

DATUM.--Land-surface datum is 372 ft (113.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (102 mm) coupling, 0.50 ft (0.152 m) above land-surface datum.

PERIOD OF RECORD.--1928, September 1944 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 160.0 ft (48.77 m) below land-surface datum, 1928; lowest measured, 301.95 ft (92.034 m) below land-surface datum, Aug. 25, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	296.86	JAN 14	296.96	MAR 25	295.82	MAY 21	298.29	JUL 31	301.62	SEP 21	301.80
DEC 5	296.10	FEB 17	296.57	APR 22	297.67	JUN 26	298.30	AUG 25	301.95		

322146090133001. Local number, H3.

LOCATION.--Lat 32°21'46", long 90°13'30", Hydrologic Unit 03180002, SW¼SW¼ sec.8, T.6 N., R.1 E., 7 mi (11 km) northwest of center of Jackson on Forrest Avenue Extension.

Owner: R. D. Robinson.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (76 mm), depth 760 ft (231.6 m).

DATUM.--Land-surface datum is about 360 ft (119.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--April 1961 to October 1980 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 200.00 ft (60.960 m) below land-surface datum, Apr. 2, 1970; lowest measured, 245.55 ft (74.843 m) below land-surface datum, Oct. 11, 1978.

GROUND-WATER LEVELS

HINDS COUNTY--Continued

322301090090001. Local number, H23.

LOCATION.--Lat 32°23'01", long 90°09'00", Hydrologic Unit 03180002, NW¼NE¼ sec.12, T.6 N., R.1 E., 6 mi (10 km) north of center of Jackson at Briarwood Drive and Highway I-55.

Owner: Kenneth Muse.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 728 ft (221.9 m).

DATUM.--Land-surface datum is about 315 ft (96.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.65 ft (0.20 m) above land-surface datum.

PERIOD OF RECORD.--October 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 161.96 ft (49.365 m) below land-surface datum, Apr. 12, 1957; lowest measured, 234.16 ft (71.372 m) below land-surface datum, Sept. 24, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	228.37	JAN 15	229.15	MAR 25	226.40	MAY 22	227.38	JUL 27	229.76	SEP 24	234.16
DEC 5	227.46	FEB 20	228.93	APR 23	225.94	JUN 24	231.57	AUG 25	230.97		

322021090114101. Local number, H43.

LOCATION.--Lat 32°20'21", long 90°11'41", Hydrologic Unit 03180002, NE¼NE¼ sec.23, T.6 N., R.1 E., 6 mi (10 km) north of center of Jackson at Livingston Road and Stonewall Street.

Owner: Royster Company.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 850 ft (259.1 m).

DATUM.--Land-surface datum is 336.83 ft (102.665 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--April 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 186.69 ft (56.903 m) below land-surface datum, Apr. 12, 1957; lowest measured, 259.25 ft (79.019 m) below land-surface datum, Sept. 7, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	251.66	FEB 20	250.78	APR 23	250.98	JUN 24	252.42	AUG 25	257.94
JAN 15	255.38	MAR 25	256.43	MAY 22	246.61	JUL 27	254.58	SEP 24	255.52

321957090105601. Local number, H155.

LOCATION.--Lat 32°19'57", long 90°10'56", Hydrologic Unit 03180002, NW¼SE¼ sec.27, T.6 N., R.1 E., 2 mi (3 km) north of center of Jackson on North West Street near Taylor Street.

Owner: Mississippi Geological Survey.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well (test hole), diameter 4 in (102 mm), depth 158 ft (48.2 m).

DATUM.--Land-surface datum is about 330 ft (100.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft (0.121 m) above land-surface datum.

PERIOD OF RECORD.--July 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.13 ft (43.626 m) below land-surface datum, July 11, 1972; lowest 154.85 ft (47.198 m) below land-surface datum, Aug. 25, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	153.11	JAN 15	153.65	MAR 25	153.69	MAY 22	154.31	JUL 27	154.60	SEP 24	154.76
DEC 5	153.51	FEB 20	153.70	APR 23	154.67	JUN 24	154.31	AUG 25	154.25		

HINDS COUNTY--Continued

322241090073701. Local number, H160.

LOCATION.--Lat 32°22'41", long 90°07'37", Hydrologic Unit 03180002, SE¼NE¼ sec.7, T.6 N., R.2 E., 7 mi (11 km) northeast of center of Jackson at Old Canton Road and Parkway.

Owner: Colonial Country Club.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 m), depth reported 773 ft (235.6 m), cased to 634 ft (193.2 m).

DATUM.--Land-surface datum is about 305 ft (93.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 136.73 ft (41.675 m) below land-surface datum, Mar. 30, 1954; lowest measured, 214.97 ft (65.522 m) below land-surface datum, Aug. 25, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	210.62	JAN 15	209.29	MAR 25	209.49	MAY 22	209.19	JUL 27	213.23	SEP 24	214.21
DEC 5	208.72	FEB 20	213.49	APR 23	209.23	JUN 24	211.12	AUG 25	214.97		

32222090095201. Local number, H164.

LOCATION.--Lat 32°22'22", long 90°09'52", Hydrologic Unit 03180002, SW¼SE¼ sec.11, T.6 N., R.1 E., 7 mi (11 km) north of center of Jackson on North State Street.

Owner: Homewood Manor Traylor Court.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (102 mm), depth 738 ft (225.0 m).

DATUM.--Land-surface datum is about 298 ft (90.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Plug in west side of casing, 0.3 ft (0.09 m) above land-surface datum.

PERIOD OF RECORD.--January 1975, June 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 195.65 ft (59.634 m) below land-surface datum, June 10, 1977; lowest measured 216.21 ft (65.900 m) below land-surface datum, Aug. 25, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	213.69	JAN 15	211.19	MAR 25	211.25	MAY 22	211.72	JUL 27	214.83	SEP 24	215.83
DEC 5	211.91	FEB 20	211.79	APR 23	211.53	JUN 24	212.85	AUG 25	216.21		

321512090283301. Local number, K55.

LOCATION.--Lat 32°15'12", long 90°28'33", Hydrologic Unit 08060202, NW¼NE¼ sec.26, T.5 N., R.3 W., 2.2 mi (3.5 km) west of Raymond.

Owner: J. Eastwood.

AQUIFER.--Sand of Mint Spring Marl of Vicksburg Group of Oligocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 195 ft (59.4 m).

DATUM.--Land-surface datum is about 242 ft (73.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of plastic well casing, 1.5 ft (0.46 m) above land-surface datum.

PERIOD OF RECORD.--September 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 61.11 ft (18.626 m) below land-surface datum, Apr. 30, 1980; lowest measured, 63.88 ft (18.632 m) below land-surface datum, Mar. 26, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 26	63.88

321521090245101. Local number, L5.

LOCATION.--Lat 32°15'21", long 90°24'51", Hydrologic Unit 08060202, NE¼NW¼ sec.20, T.5 N., R.2 E., 0.1 mi (0.2 km) northwest of center of Raymond on Court Street east of Oak Street.

Owner: Town of Raymond.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 1,185 ft (361.2 m).

DATUM.--Land-surface datum is about 328 ft (100.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--September 1960, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 191.70 ft (58.430 m) below land-surface datum, Mar. 18, 1971; lowest measured, 210.09 ft (64.035 m) below land-surface datum, May 8, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAY 26	207.51

GROUND-WATER LEVELS

HINDS COUNTY--Continued

321300090142001. Local number, R23.

LOCATION.--Lat 32°13'00", long 90°14'20", Hydrologic Unit 03180002, SE¼NW¼ sec.6, T.4 N., R.1 E., 6 mi (10 km) south of center of Jackson at Taylorsville on Elton Road near Terry Road.

Owner: E. J. Ainsworth.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 840 ft (256.0 m).

DATUM.--Land-surface datum is about 380 ft (115.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--June 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 220.97 ft (67.352 m) below land-surface datum, June 30, 1959; lowest measured, 272.99 ft (83.207 m) below land-surface datum, Mar. 21, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	267.18	MAR 26	265.14

320620090370001. Local number, S3.

LOCATION.--Lat 32°06'20", long 90°37'00", Hydrologic Unit 08060203, NE¼NW¼ sec.16, T.3 N., R.4 W., 1 mi (2 km) east of center of Utica on State Highway 28 near State Highway 27.

Owner: Town of Utica.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 1,310 ft (399.2 m), screened 1,240-1,310 ft (377.9-399.2 m).

DATUM.--Land-surface datum is about 308 ft (93.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.40 ft (0.426 m) above land-surface datum.

PERIOD OF RECORD.--October 1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 179.65 ft (54.757 m) below land-surface datum, Feb. 27, 1958; lowest measured, 206.66 ft (62.990 m) below land-surface datum, Mar. 26, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	200.70	MAR 26	206.66

320430090543302. Local number, V33.

LOCATION.--Lat 32°04'30", long 90°54'33", Hydrologic Unit 03180002, NW¼SW¼ sec.15, T.3 N., R.1 W., near intersection of Jackson Street and Raymond Street in Terry.

Owner: Town of Terry.

AQUIFER.--Sand of Forest Hill Formation of Oligocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in (254 mm), depth 473 ft (144.2 m).

DATUM.--Land-surface datum is about 286 ft (87.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 2.50 ft (0.762 m) above land-surface datum.

REMARKS.--Standby well, pumped occasionally.

PERIOD OF RECORD.--September 1959, September 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65 ft (19.8 m) below land-surface datum, September 1959; lowest measured, 126.38 ft (38.520 m) below land-surface datum, Sept. 28, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
SEP 28	126.38

HOLMES COUNTY

330650090034501. Local number, L43.

LOCATION.--Lat 33°06'50", long 90°03'45", Hydrologic Unit 08030206, SW¼NE¼ sec.35, T.15 N., R.2 E., 0.3 mi (0.5 km) west of center of Lexington on Boulevard Street at McLean Street.

Owner: Eric Norquist.

AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth reported 1,000 ft (304.8 m).

DATUM.--Land-surface datum is about 205 ft (62.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of tee at well head, at land-surface datum.

PERIOD OF RECORD.--October 1957, January 1959, April 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.90 ft (0.884 m) above land-surface datum, Jan. 12, 1959; lowest measured, 1.09 ft (0.332 m) below land-surface datum, May 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAY 12	1.09

GROUND-WATER LEVELS

315

HOLMES COUNTY--Continued

330448090192201. Local number, P159.

LOCATION.--Lat 33°04'48", long 90°19'22", Hydrologic Unit 08030206, NE¼NW¼ sec.8, T.14 N., R.1 W., at Thornton.

Owner: M. L. Smith.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3-2 in (76-51 mm), depth, 1,597 ft (486.8 m), screened 1,557-1,597 ft (474.6-486.8 m).

DATUM.--Land-surface datum is 111.72 ft (34.052 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of tee, at land-surface datum.

PERIOD OF RECORD.--February 1939 to April 1972, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 139.6 ft (42.55 m) above land-surface datum, July 31, 1941; lowest measured, 63.0 ft (19.20 m) above land-surface datum, Apr. 22, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 22	63.0

330443089512503. Local number, T4.

LOCATION.--Lat 33°04'43", long 89°51'25", Hydrologic Unit 08060201, SE¼ sec.11, T.14 N., R.4 E., 0.3 mi (0.5 km) northwest of center of Durant at Lamar Street and Ramsey Street.

Owner: Town of Durant.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 700 ft (213.4 m).

DATUM.--Land-surface datum is 267 ft (81.4 m) National Geodetic Vertical Datum of 1929. Measuring point: 3/4-in (19 mm) hole in west side of well head, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--January 1957, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6 ft (1.8 m) above land-surface datum, Jan. 1957; lowest measured, 25.00 ft (7.620 m) below land-surface datum, May 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAY 12	25.00

330420089510901. Local number, T14.

LOCATION.--Lat 33°04'20", long 89°51'09", Hydrologic Unit 08060201, SE¼NE¼ sec.14, T.14 N., R.4 E., 0.1 mi (0.2 km) southeast of center of Durant at Cedar Street and Love Street.

Owner: Illinois Central Railroad.

AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 608 ft (185.3 m), cased to 588 ft (179.2 m).

DATUM.--Land-surface datum is about 263 ft (80.2 m) National Geodetic Vertical Datum of 1929. Measuring point: 2-in (51 mm) hole in top of casing, 0.60 ft (0.182 m) above land-surface datum.

PERIOD OF RECORD.--October 1959, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.77 ft (2.064 m) above land-surface datum, Oct. 8, 1959; lowest measured, 9.65 ft (2.941 m) below land-surface datum, Oct. 15, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAY 12	9.57

ITAWAMBA COUNTY

341633088243801. Local number, G24.

LOCATION.--Lat 34°16'33", long 88°24'38", Hydrologic Unit 03160101, NW¼NE¼ sec.25, T.9 S., R.8 E., 0.2 mi (0.3 km) northwest of center of Fulton on Hill Street at Waterworks.

Owner: Town of Fulton.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 164 ft (50.0 m).

DATUM.--Land-surface datum is about 320 ft (97.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.25 ft (0.381 m) above land-surface datum.

REMARKS.--Water levels affected by nearby dewatering project.

PERIOD OF RECORD.--August 1954, August 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.6 ft (7.19 m) below land-surface datum, Feb. 16, 1959; lowest measured, 74.65 ft (22.753 m) below land-surface datum, Apr. 20, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 24	49.90	OCT 7	64.64

GROUND-WATER LEVELS

ITAWAMBA COUNTY--Continued

341604088244601. Local number, G67.

LOCATION.--Lat 34°16'04", long 88°24'46", Hydrologic Unit 03160101, SW¼SE¼ sec.25, T.9 S., R.8 E., 0.6 mi (1.0 km) southeast of center of Fulton along railroad track.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm) depth 175 ft (53.3 m).

DATUM.--Land-surface datum is about 284 ft (86.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Base of recorder house floor 3.80 ft (1.158 m) above land surface datum.

PERIOD OF RECORD.--June 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 8.17 ft (2.490 m) below land-surface datum, June 8, 1978; lowest measured, 43.55 ft (13.274 m) below land-surface datum, Sept. 24, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	34.27	33.47	32.26	31.79	32.02	31.49	31.02	---	33.80	37.24	39.73	42.05
10	33.42	33.08	31.77	32.07	31.82	31.66	30.78	---	34.77	36.92	40.61	42.58
15	33.66	32.55	32.15	32.13	31.80	31.62	30.92	---	34.82	37.31	41.39	43.11
20	34.42	32.43	32.45	32.18	31.39	31.63	30.82	---	35.80	37.64	41.13	42.99
25	34.26	32.14	31.96	32.57	31.71	31.38	30.83	32.37	37.20	37.56	40.68	43.43
EOY	33.66	32.35	31.55	32.37	31.71	30.99	---	32.36	37.06	39.49	41.63	43.28

JACKSON COUNTY

302454088493401. Local number, N48.

LOCATION.--Lat 30°24'55", long 88°49'35", Hydrologic Unit 03170009, SE¼SW¼ sec.19, T.7 S., R.8 W., 0.1 mi (0.2 km) east of depot at Ocean Springs at Robinson Avenue and Cash Alley.

Owner: Louisville and Nashville Railroad.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth reported 535 ft (163.1 m), screened 495-535 ft (150.9-163.1 m), cased to 495 ft (150.5 m).

DATUM.--Land-surface datum is about 23 ft (7.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in northwest side of pump, 0.80 ft (0.243 m) above land-surface datum.

PERIOD OF RECORD.--1928, April 1939, August 1958 to July 1963, July 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.0 ft (9.14 m) above land-surface datum, 1928; lowest measured, 73.13 ft (22.290 m) below land-surface datum, Mar. 19, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

WATER
LEVEL
DATE
MAR 19 73.13

302357088473801. Local number, N73.

LOCATION.--Lat 30°23'57", long 88°47'38", Hydrologic Unit 03170009, SE¼NW¼ sec.28, T.2 S., R.8 W., 2 mi (3.2 km) southeast of center of Ocean Springs on Henley Street near park entrance.

Owner: Magnolia State Park.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 536 ft (163.4 m), screened 516-536 ft (157.3-163.4 m).

DATUM.--Land-surface datum is about 22 ft (7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--April 1938, June 1956 to April 1973, June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.0 ft (3.65 m) above land-surface datum, Apr. 8, 1938; lowest measured, 63.83 ft (19.455 m) below land-surface datum, July 11, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

WATER
LEVEL
DATE
MAR 19 62.19

JACKSON COUNTY--Continued

302451088325901. Local number, P45.

LOCATION.--Lat 30°24'51", long 99°32'59", Hydrologic Unit 03170008, NE¼NE¼ sec.10, T.7 S., R.6 W., 0.5 mi (0.8 km) northwest of center of Moss Point at Weems Street and Dantzler Street.

Owner: Central Artesian Well Co.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 806 ft (245.7 m), cased to 806 ft (245.7 m).

DATUM.--Land-surface datum is about 20 ft (6 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in tee, 0.80 ft (0.243 m) above land-surface datum.

PERIOD OF RECORD.--September 1919, September 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.0 ft (8.53 m) above land-surface datum, Sept. 6, 1919; lowest measured, 54.07 ft (16.480 m) below land-surface datum, Nov. 6, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 20	51.55

302244088325801. Local number, P68.

LOCATION.--Lat 30°22'44", long 88°32'58", Hydrologic Unit 03170006, SE¼NE¼ sec.2, T.8 S., R.6 W., 1 mi (2 km) north of center of Pascagoula at Market Street and River Road.

Owner: City of Pascagoula.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (305 mm), depth 292 ft (89.0 m), cased to 282 ft (86.0 m).

DATUM.--Land-surface datum is about 12 ft (3.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in top of plate at well head, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--April 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.05 ft (15.560 m) below land-surface datum, Apr. 18, 1962; lowest measured, 95.90 ft (29.230 m) below land-surface datum, July 12, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 20	85.15

302205088334005. Local number, P113.

LOCATION.--Lat 30°22'05", long 88°33'40", Hydrologic Unit 03170006, NW¼NW¼ sec.5, T.8 S., R.6 W., 0.2 mi (0.3 km) northwest of center of Pascagoula at Railroad Avenue and Frederic Street.

Owner: City of Pascagoula.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in (254 mm), depth 388 ft (118.3 m), cased to 308 ft (93.9 m).

DATUM.--Land-surface datum is about 13 ft (4.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing (since Apr. 20, 1976), at land-surface datum.

PERIOD OF RECORD.--April 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.40 ft (10.485 m) below land-surface datum, Apr. 10, 1958; lowest measured, 75.58 ft (23.037 m) below land-surface datum, July 13, 1977.

No measurement made in water year 1980.

302134088330803. Local number, P124.

LOCATION.--Lat 30°21'34", long 88°33'08", Hydrologic Unit 03170006, SW¼SE¼ sec.11, T.8 S., R.6 W., 0.5 mi (0.8 km) southeast of center of Pascagoula at Commuhy Street east of Pascagoula Street.

Owner: City of Pascagoula.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (305 mm), depth 801 ft (244.1 m), cased to 721 ft (219.8 m).

DATUM.--Land-surface datum is 10.50 ft (3.200 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in northeast side of plate at well head, 1.00 ft (0.304 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--April 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.70 ft (1.433 m) below land-surface datum, Mar. 21, 1960; lowest measured, 144.64 ft (44.086 m) below land-surface datum, June 12, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
OCT 22	72.38

JACKSON COUNTY--Continued

302042088331801. Local number, P134.

LOCATION.--Lat 30°20'42", long 88°33'18", Hydrologic Unit 03170006, SE¼ sec.6, T.8 S., R.6 W., 1.5 mi (2.4 km) south of center of Pascagoula at Farnsworth Avenue and Firth Street.

Owner: City of Pascagoula.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (305 mm), depth 750 ft (228.6 m).

DATUM.--Land-surface datum is 10.54 ft (3.212 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in north side of pump base, 1.00 ft (0.304 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--April 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.14 ft (3.090 m) below land-surface datum, May 5, 1960, lowest measured, 121.03 ft (36.889 m) below land-surface datum, June 12, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 20	65.69

302236088315401. Local number, P142.

LOCATION.--Lat 30°22'36", long 88°31'54", Hydrologic Unit 03170006, NE¼SE¼ sec.1, T.8 S., R.6 W., 1.5 mi (2.4 km) east of center of Pascagoula on U.S. Highway 90.

Owner: VFW Post 3373.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 650 ft (198.1 m).

DATUM.--Land-surface datum is about 15 ft (4.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

PERIOD OF RECORD.--1960, 1977, May 1978 to April 1979 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24 ft (7.3 m) below land-surface datum, 1960; lowest measured, 148.13 ft (45.150 m) below land-surface datum, Oct. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 20	34.42

302126088293801. Local number, Q112.

LOCATION.--Lat 30°21'32", long 88°29'38", Hydrologic Unit 03170009, SW¼SW¼ sec.9, T.8 S., R.5 W., 5 mi (8 km) southeast of center of Pascagoula on east side of State Highway 611 north of Standard Oil Refinery.

Owner: Jackson County Board of Supervisors.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6-4 in (152-102 mm), depth 202 ft (61.6 m), screened 192-202 ft (58.5-61.6 m), cased to 192 ft (58.5 m).

DATUM.--Land-surface datum is about 3.4 ft (1.03 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft (0.609 m) above land-surface datum.

PERIOD OF RECORD.--May 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.29 ft (1.917 m) below land-surface datum, May 6, 1960; lowest measured, 16.22 ft (4.944 m) below land-surface datum, July 14, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 20	14.18

JACKSON COUNTY--Continued

302304088305901. Local number, Q149.

LOCATION.--Lat 30°23'04", long 83°30'59", Hydrologic Unit 03170006, SE¼SE¼ sec.31, T.8 S., R.5 W., 0.5 mi (0.80 km) west of State Highway 607 on U.S. Highway 90 east of Pascagoula.

Owner: Dairy Fresh Corporation.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 333 ft (101.5 m).

DATUM.--Land-surface datum is about 15 ft (4.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--June 1963, August 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63 ft (19.2 m) below land-surface datum, June 1, 1963; lowest water level measured 111.52 ft (33.991 m) below land-surface datum, May 17, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 20	100.40

302103088294701. Local number, Q403.

LOCATION.--Lat 33°21'03", long 88°29'47", Hydrologic Unit 03170009, NE¼SE¼ sec.17, T.8 S., R.5 W., 5 mi (8 km) southeast of center of Pascagoula on west side of State Highway 611 at Coastal Chemical Co.

Owner: U.S. Geological Survey.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 346 ft (105.5 m), cased to 340 ft (103.6 m).

DATUM.--Land-surface datum is about 12 ft (3.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.3 ft (1.00 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--June 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 102.43 ft (31.220 m) below land-surface datum, Aug. 2, 1981; lowest measured, 145.1 ft (44.23 m) below land-surface datum, June 19, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	129.02	135.27	118.20	122.45	118.91	109.65	108.36	105.30	111.51	112.68	108.46	116.11
10	130.01	136.77	118.05	114.98	117.32	109.56	106.47	107.63	112.79	116.17	116.72	115.16
15	133.20	139.39	118.39	119.16	116.52	108.81	112.08	107.71	114.29	122.79	115.48	112.14
20	131.85	133.44	116.81	124.97	112.98	109.22	110.50	105.62	115.71	122.77	117.73	114.53
25	131.45	129.86	122.19	121.72	112.61	108.65	109.30	108.29	115.81	119.26	117.41	112.08
EOM	132.58	124.90	121.82	117.70	114.10	111.66	108.03	108.83	113.07	111.81	114.34	112.56

302253088302401. Local number Q407.

LOCATION.--Lat 30°22'53", long 88°30'24", Hydrologic Unit 03170006, SW¼NW¼ sec.5, T.8 S., R.5 W., 2.5 mi (4.0 km) east of center of Pascagoula on Old Mobile Highway at Chateau Drive.

Owner: City of Pascagoula.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 327 ft (99.7 m).

DATUM.--Land-surface datum is about 13.5 ft (4.11 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in (51 mm) pipe, 2.50 ft (.762 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--March 1975, April 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.0 ft (28.04 m) below land-surface datum Mar. 1, 1975; lowest measured, 146.93 ft (44.784 m) below land-surface datum, Oct. 4, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 20	139.29

GROUND-WATER LEVELS

JACKSON COUNTY--Continued

302141088313101. Local number, Q424.

LOCATION.--Lat 30°21'41", long 88°31'31", Hydrologic Unit 03170009 sec.30, T.8 S., R.6 W., 1.5 mi (2.4 km) east of center of Pascagoula at Chico and Scovel Streets.

Owner: City of Pascagoula.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 182 ft (55.5 m).

DATUM.--Land-surface datum is about 12 ft (3.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--September 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.04 ft (6.719 m) below land-surface datum, Apr. 5, 1979; lowest measured, 25.0 ft (7.62 m) below land-surface datum, Sept. 2, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 8	23.80	MAR 20	22.76	APR 30	22.62	JUL 28	23.16
DEC 30	23.73	MAY 5	22.45	JUN 30	22.81		

JEFFERSON COUNTY

314247091034201. Local number, H3.

LOCATION.--Lat 31°42'40", long 91°03'40", Hydrologic Unit 08060204, SW¼NW¼ lot 45, T.9 N., R.1 E., 0.1 mi (0.2 km) west of courthouse in Fayette at waterworks.

Owner: Town of Fayette.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth reported 272 ft (82.9 m), screened 232-272 ft (70.7-82.9 m), cased to 232 ft (70.7 m).

DATUM.--Land-surface datum is 280 ft (85.3 m) National Geodetic Vertical Datum of 1929 (formerly 270 ft). Measuring point: Top of casing, 1.10 ft (0.335 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--March 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 117.60 ft (35.845 m) below land-surface datum, Sept. 9, 1962; lowest measured, 144.47 ft (44.034 m) below land-surface datum, Apr. 9, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 9	144.47

JONES COUNTY

313928089103001. Local number, F20.

LOCATION.--Lat 31°39'28", long 89°10'30", Hydrologic Unit 03170005, NE¼SE¼ sec.14, T.8 N., R.12 W., 5 mi (8 km) southwest of center of Laurel and 0.2 mi (0.3 km) south of Laurel Airport.

Owner: City of Laurel.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 20-12 in (508-305 mm), depth 466 ft (142.0 m), cased to 406 ft (123.7 m).

DATUM.--Land-surface datum is about 220 ft (67.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.00 ft (0.609 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--December 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 118.8 ft (36.21 m) below land-surface datum, Dec. 5, 1977; lowest measured, 202.39 ft (61.688 m) below land-surface datum, Aug. 15, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	172.27	163.35	151.56			157.96	153.15	161.78	171.53	176.70	197.55	192.41
10	173.28	157.17	150.17			155.98	159.78	158.34	175.33	182.23	198.37	190.14
15	172.57	156.71	---			154.00	160.29	163.49	169.32	185.20	202.39	186.83
20	166.33	152.81	---			156.69	161.32	163.64	180.53	185.00	200.69	178.67
25	161.50	150.31	---			158.24	155.92	159.05	183.12	191.40	199.13	185.42
EOM	164.17	149.55	---			156.63	160.81	166.91	186.04	196.79	194.59	188.98

JONES COUNTY--Continued

314143089083901. Local number, G55.

LOCATION.--Lat 31°41'43", long 89°08'39", Hydrologic Unit 03170005, NW¼NW¼ sec.6, T.8 N., R.11 W., 1 mi (2 km) west of the center of Laurel at 6th Street and 14th Avenue.

Owner: City of Laurel.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 24-12 in (610-305 mm), depth 405 ft (123.4 m), cased to 345 ft (105.2 m).

DATUM.--Land-surface datum is 279.2 ft (85.10 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.00 ft (0.609 m) above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--March 1964, January 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 126 ft (38.4 m) below land-surface datum, March 1964; lowest measured, 197.50 ft (60.198 m) below land-surface datum, Oct. 31, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	182.10	DEC 10	179.50	JAN 21	178.65	MAY 27	195.00	JUL 31	192.34

LAFAYETTE COUNTY

343005089301301. Local number, B1.

LOCATION.--Lat 34°30'05", long 89°30'13", Hydrologic Unit 08030201, NW¼SE¼ sec.3, T.7 S., R.3 W., 0.2 mi (0.3 km) east of Highway 7 at Abbeville.

Owner: Town of Abbeville.

AQUIFER.--Sand of lower part of the Wilcox Group of Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 520 ft (158.5 m).

DATUM.--Land-surface datum is about 420 ft (128.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.304 m) above land-surface datum.

REMARKS.--Water level affected by pumping.

PERIOD OF RECORD.--February 1963, September 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 155 ft (47.2 m) below land-surface datum, February 1963; lowest measured, 161.86 ft (49.334 m) below land-surface datum, Sept. 30, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
SEP 30	161.86

342550089312801. Local number, B4.

LOCATION.--Lat 34°25'50", long 89°31'28", Hydrologic Unit 08030201, SW¼NW¼ sec.33, T.7 S., R.3 W., 5 mi (8 km) north of center of Oxford on west side of State Highway 7.

Owner: U.S. Plywood Company.

AQUIFER.--Sand of the Meridian Sand Member of the Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 248 ft (75.6 m), cased to 208 ft (63.4 m).

DATUM.--Land-surface datum is about 430 ft (131.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.80 ft (0.548 m) above land-surface datum.

PERIOD OF RECORD.--October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.40 ft (24.201 m) below land-surface datum, June 16, 1980; lowest measured, 88.65 ft (27.021 m) below land-surface datum, Dec. 29, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5			80.05	81.50	---		---	81.89	81.81	81.78	81.89	82.44
10			---	---	---		---	81.65	81.97	81.95	82.18	82.26
15			---	---	---		---	81.77	81.78	81.97	82.13	82.24
20			---	---	81.25		---	81.89	81.75	81.90	82.16	82.22
25			---	---	---		81.63	81.93	81.77	82.11	82.41	82.32
EOM			---	---	---		81.69	81.81	81.72	81.99	82.33	82.31

GROUND-WATER LEVELS

LAFAYETTE COUNTY--Continued

342136089315001. Local number, F5.

LOCATION.--Lat 34°21'36", long 89°31'50", Hydrologic Unit 08030203, NW¼NE¼ sec.29, T.8 S., R.3 W., 1 mi (2 km) southwest of center of Oxford at University.

Owner: University of Mississippi.

AQUIFER.--Sand of the Meridian Sand Member of the Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (406 mm), depth 113 ft (34.4 m), cased to 98 ft (29.9 m).

DATUM.--Land-surface datum is about 460 ft (140.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--1962, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 71.14 ft (21.684 m) below land-surface datum, Dec. 9, 1976; lowest measured, 82.00 ft (24.994 m) below land-surface datum, March 1962.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	75.80	JAN 7	74.28	APR 1	74.79	JUN 23	73.87
DEC 3	74.90	FEB 19	73.10	MAY 13	75.90	SEP 16	75.24

342130089313001. Local number, F21.

LOCATION.--Lat 34°21'30", long 89°31'30", Hydrologic Unit 08030203, SW¼NW¼ sec.28, T.8 S., R.3 W., 1.5 mi (2.4 km) southwest of center of Oxford at Chambers Manufacturing Company south of State Highway 6 on Old Taylor Road.

Owner: City of Oxford.

AQUIFER.--Sand of the Meridian Sand Member of the Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (406 mm), depth reported 250 ft (76.2 m).

DATUM.--Land-surface datum is about 470 ft (143.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--October 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.06 ft (24.707 m) below land-surface datum, July 23, 1979, lowest measured, 113.20 ft (34.503 m) below land-surface datum, Jan. 13, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAY 13	101.61

342104089320301. Local number, F112.

LOCATION.--Lat 34°21'04", long 89°32'03", Hydrologic Unit 08030203, SW¼SE¼ sec.29, T.8 S., R.3 W., 1.5 mi (2.4 km) south of State Highway 6 on Old Taylor Road.

Owner: City of Oxford.

AQUIFER.--Sand of the Wilcox Group of early Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 439 ft (133.8 m).

DATUM.--land-surface datum is about 470 ft (143.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.304 m) above land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 165.90 ft (50.566 m) below land-surface datum, May 13, 1981; lowest measured, 226.15 ft (68.931 m) below land-surface datum, June 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	167.20	JAN 7	166.70	APR 1	166.13	JUN 23	166.09
DEC 3	166.85	FEB 19	166.58	MAY 13	165.90	SEP 16	166.96

LAMAR COUNTY

310935089252001. Local number, L63.

LOCATION.--Lat 31°09'35", long 89°25'20", Hydrologic Unit 03180004, SE¼SE¼ sec.5, T.2 N., R.14 W., 1.5 mi (2.4 km) northwest of center of Purvis on State Highway 581 at elevated water tank.

Owner: Progress Water Association.

AQUIFER.--Sand of the Catahoula Sandstone of early Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 960 ft (292.6 m), cased to 910 ft (277.4 m).

DATUM.--Land-surface datum is about 370 ft (112.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.30 ft (0.701 m) above land-surface datum.

PERIOD OF RECORD.--1968, September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 220 ft (67.1 m) below land-surface datum, 1968; lowest measured, 264.30 ft (80.558 m) below land-surface datum, Sept. 18, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 11	259.31	FEB 16	259.17	MAY 14	260.39	AUG 31	264.09

LAUDERDALE COUNTY

321902088445701. Local number, M3.

LOCATION.--Lat 32°19'02", long 88°44'57", Hydrologic Unit 03170001, NW¼SE¼ sec.34, T.6 N., R.15 E., 4 mi (6 km) southwest of center of Meridian on U.S. Highway 11 at fish hatchery.

Owner: U.S. Fish and Wildlife.

AQUIFER.--Sand of lower part of the Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled hatchery-supply artesian well, diameter 10-8 in (254-203 mm), depth 729 ft (222.2 m), cased to 688 ft (209.7 m).

DATUM.--Land-surface datum is about 280 ft (85.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, at land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--January 1964 to October 1969, April 1971 to November 1974, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.37 ft (4.075 m) above land-surface datum, Oct. 20, 1971; lowest measured, 9.90 ft (3.017 m) below land-surface datum, June 30, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAY 28	3.80

LEAKE COUNTY

324427089295201. Local number, L1.

LOCATION.--Lat 32°44'20", long 89°29'50", Hydrologic Unit 03180001, SW¼SE¼ sec.5, T.10 N., R.8 E., 2.5 mi (4.0 km) east of center of Carthage on State Highway 16 at McAfee.

Owner: C. Daugherty.

AQUIFER.--Sand of middle part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4-2 in (102-51 mm), depth reported 700 ft (213.4 m), screened 680-700 ft (207.3-213.4 m), cased to 680 ft (207.3 m).

DATUM.--Land-surface datum is about 350 ft (106.7 m) National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 2.50 ft (0.762 m) above land-surface datum.

PERIOD OF RECORD.--June 1957 to October 1963, April 1965, November 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.81 ft (6.343 m) below land-surface datum, May 1, 1958; lowest measured, 39.40 ft (12.009 m) below land-surface datum, Aug. 8, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 2	22.69

GROUND-WATER LEVELS

LEE COUNTY

341632088403001. Local number, H9.

LOCATION.--Lat 34°16'32", long 89°40'30", Hydrologic Unit 03160102, SW¼NE¼ sec.28, T.9 S., R.6 E., about 2.5 mi (4 km) east of Tupelo and north of U.S. Highway 78 on Saltillo road.

Owner: Pierce Grocery.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (102 mm), depth 335 ft (102.1 m).

DATUM.--Land-surface datum is about 280 ft (85.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum

PERIOD OF RECORD.--December 1947, January 1967 to February 1968, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35 ft (10.7 m) below land-surface datum, Dec. 1, 1947; lowest measured 161.30 ft (49.164 m) below land-surface datum, Mar. 24, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 24	161.30

341547088422901. Local number, H22.

LOCATION.--Lat 34°15'47", long 89°42'29", Hydrologic Unit 03160102, NW¼NW¼ sec.31, T.9 S., R.6 E., 0.5 mi (0.8 km) northwest of center of Tupelo at Leake Street and Park Avenue.

Owner: City of Tupelo.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12-8 in (305-230 mm), depth 430 ft (131.1 m), cased to 370 ft (113 m).

DATUM.--Land-surface datum is about 280 ft (85.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in north side of pump base, at land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--1954, October 1965 to October 1967, April 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 120 ft (36.6 m) below land-surface datum, 1954; lowest measured, 227.65 ft (69.387 m) below land-surface datum, Aug. 25, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 24	205.15	AUG 25	227.65

341939088423601. Local number, H35.

LOCATION.--Lat 34°19'39", long 88°42'36", Hydrologic Unit 03160102, SW¼NE¼ sec.6, T.9 S., R.6 E., 0.5 mi (0.8 km) north of center of Tupelo on U.S. Highway 45 at Natchez Trace.

Owner: Natchez Trace Parkway.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 400 ft (121.9 m), cased to 20 ft (6.1 m).

DATUM.--Land-surface datum is about 325 ft (99.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.152 m) above land-surface datum.

PERIOD OF RECORD.--April 1958 to December 1968, October 1975 to September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.32 ft (19.910 m) below land-surface datum, June 17, 1958; lowest measured, 147.20 ft (44.867 m) below land-surface datum, Mar. 24, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 24	147.20

341536088421001. Local number, H42.

LOCATION.--Lat 34°15'36", long 88°42'10", Hydrologic Unit 03160102, SE¼NE¼ sec.31, T.9 S., R.6 E., 0.2 mi (0.3 km) northeast of center of Tupelo at Spring Street and Sherwood at waterworks.

Owner: City of Tupelo.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-10 in (406-254 mm), depth 562 ft (171.3 m), cased to 510 ft (155.4 m).

DATUM.--Land-surface datum is about 280 ft (85.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in east side of pump base, 3.00 ft (0.914 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--August 1966, October 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 164.00 ft (49.987 m) below land-surface datum, Aug. 16, 1966; lowest measured, 260.18 ft (79.303 m) below land-surface datum, May 17, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 25	199.90

GROUND-WATER LEVELS

325

LEE COUNTY--Continued

341235088431601. Local number, K29.

LOCATION.--Lat 34°12'35", long 88°43'16", Hydrologic Unit 03160102, SE¼SE¼ sec.13, T.10 S., R.5 E., 3.5 mi (5.6 km) south of center of Tupelo on U.S. Highway 45 at Barber Milk Company.
 Owner: Barber Milk Company.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth reported 491 ft (149.7 m), cased to 451 ft (137.5 m).

DATUM.--Land-surface datum is about 345 ft (105.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.80 ft (0.243 m) above land-surface datum.

REMARKS.--Water levels effected by nearby pumping.

PERIOD OF RECORD.--January 1967 to October 1967, September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 177.2 ft (54.01 m) below land-surface datum, Mar. 22, 1967; lowest measured, 279.79 ft (85.280 m) below land-surface datum, Aug. 31, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
 LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5		---	273.30	---	270.16	269.11	---	269.51	270.06		---	279.68
10		---	---	---	270.11	269.04	---	268.69	270.37		---	279.36
15		---	---	270.71	270.11	268.92	---	269.15	270.77		278.82	278.54
20		---	---	270.50	268.55	268.84	---	269.06	271.26		279.29	278.96
25		274.20	---	270.24	269.35	---	269.05	269.70	271.98		279.52	278.58
EOM		---	---	270.18	269.35	---	269.25	269.65	---		279.79	278.47

340522088371701. Local number, Ø14.

LOCATION.--Lat 34°05'25", long 88°37'17", Hydrologic Unit 03160102, SW¼SE¼ sec.25, T.11 S., R.6 E., 0.1 mi (0.2 km) east of center of Nettleton on Main Street at waterworks.

Owner: Town of Nettleton.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 612 ft (186.5 m), cased to 587 ft (178.9 m).

DATUM.--Land-surface datum is about 260 ft (79.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in well base, 0.70 ft (0.213 m) above land-surface datum.

PERIOD OF RECORD.--July 1940, September 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.40 ft (6.828 m) below land-surface datum, July 15, 1940; lowest measured, 62.00 ft (18.897 m) below land-surface datum, Mar. 11, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 11	62.00

340523088371701. Local number, Ø15.

LOCATION.--Lat 34°05'23", long 88°37'17", Hydrologic Unit 03160102, SW¼SE¼ sec.25, T.11 S., R.6 E., 0.1 mi (0.2 km) east of center of Nettleton on Main Street at waterworks.

Owner: Town of Nettleton.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in (203 mm), depth 282 ft (86.0 m).

DATUM.--Land-surface datum is about 266 ft (81.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in west side of pump base, 2.00 ft (0.609 m) above land-surface datum.

PERIOD OF RECORD.--September 1956, March 1968, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20 ft (6.1 m) below land-surface datum, September 1956; lowest measured, 83.90 ft (25.573 m) below land-surface datum, July 30, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 22	83.42

LEFLORE COUNTY

333840090175001. Local number, D8.

LOCATION.--Lat 33°38'40", long 90°17'50", Hydrologic Unit 08030207, SE¼NE¼ sec.33, T.21 N., R.1 W., 3 mi (5 km) east of center of Schlater at U.S. Highway 49 and State Highway 442.

Owner: Crossroads Gin.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled gin-supply artesian well, diameter 4 in (102 mm), depth 902 ft (274.9 m), cased to 882 ft (268.8 m).

DATUM.--Land-surface datum is about 135 ft (41.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing cap, at land-surface datum.

PERIOD OF RECORD.--October 1975 to October 1979 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.1 ft (2.47 m) above land-surface datum, Feb. 10, 1976; lowest measured, 3.4 ft (1.04 m) above land-surface datum, Oct. 25, 1979.

333823090205101. Local number, D160.

LOCATION.--Lat 33°38'23", long 90°20'51", Hydrologic Unit 08030207, NW¼SW¼ sec.31, T.21 N., R.1 W., 0.1 mi (0.2 km) east of center of Schlater on south side of State Highway 442.

Owner: Mrs. D. B. Jameson.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 816 ft (248.7 m), cased to 816 ft (248.7 m).

DATUM.--Land-surface datum is 132.05 ft (40.248 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1-in pipe, 2.30 ft (0.701 m) above land-surface datum.

PERIOD OF RECORD.--September 1919, September 1938 to October 1968, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.0 ft (9.14 m) above land-surface datum, 1919; lowest measured, 7.99 ft (2.435 m) below land-surface datum, Apr. 15, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 15	7.99

333437090262601. Local number, F53.

LOCATION.--Lat 33°34'37", long 90°26'26", Hydrologic Unit 08030207, NW¼NW¼ sec.29, T.20 N., R.2 W., 6 mi (10 km) southwest of Schlater.

Owner: William Tackett.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in (406 mm), depth 100 ft (30.5 m).

DATUM.--Land-surface datum is about 120 ft (36.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor 1.60 ft (0.487 m) above land-surface datum.

REMARKS.--Water levels affected by seasonal pumping.

PERIOD OF RECORD.--March 1978, May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18 ft (5.5 m) below land-surface datum, March 24, 1978; lowest measured, 35.21 ft (10.415 m) below land-surface datum, July 25, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5								---		---		---
10								---		---		---
15								28.37		33.96		---
20								---		34.57		---
25								---		35.21		34.19
EOM								---		34.97		34.02

333159090113401. Local number, L79.

LOCATION.--Lat 33°31'59", long 90°11'34", Hydrologic Unit 08030205, SW¼SE¼ sec.4, T.19 N., R.1 E., at elevated tank on Parkes Street near center of Greenwood.

Owner: City of Greenwood.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (406 mm), depth 800 ft (243.8 m).

DATUM.--Land-surface datum is about 128 ft (39.0 m) National Geodetic Vertical Datum of 1929. Measuring point: End of 2-in (51 mm) nipple off casing, 2.2 ft (0.67 m) above land-surface datum.

PERIOD OF RECORD.--April 1960, April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.5 ft (1.37 m) above land-surface datum, Apr. 28, 1960; lowest measured, 24.69 ft (7.525 m) below land-surface datum, July 15, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 15	24.69	SEP 18	24.09

LEFLORE COUNTY--Continued

333135090124402. Local number, L111.

LOCATION.--Lat 33°31'35", long 90°12'44", Hydrologic Unit 08030205, SE¼SE¼ sec.8, T.19 N., R.1 E., at Henderson Generating Plant west of U.S. Highway 82, Greenwood.

Owner: City of Greenwood.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in (254 mm), depth 95 ft (29.0 m).

DATUM.--Land-surface datum is about 95 ft (29.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Base of recorder shelter, 2.50 ft (0.762 m) above land-surface datum.

PERIOD OF RECORD.--April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.70 ft (10.272 m) below land-surface datum, Apr. 27, 1979; lowest measured 35.96 ft (10.960 m) below land-surface datum, Sept. 18, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 15	29.44	SEP 18	35.96

333050090112501. Local number, L150.

LOCATION.--Lat 33°30'50", long 90°11'25", Hydrologic Unit 08030205, NE¼NE¼ sec.16, T.19 N., R.1 E., at street department barn, Parkway Street and Johnson Street.

Owner: City of Greenwood.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 220 ft (67.1 m).

DATUM.--Land-surface datum is about 126 ft (38.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.5 ft (0.46 m) above land-surface datum.

PERIOD OF RECORD.--January 1964, April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.25 ft (5.867 m) below land-surface datum, Apr. 27, 1979; lowest measured, 50 ft (15.2 m) below land-surface datum, Jan. 22, 1964.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 15	17.81	SEP 21	23.54

333100090105801. Local number, L152.

LOCATION.--Lat 33°31'00", long 90°10'58", Hydrologic Unit 08030206, NE¼NW¼ sec.15, T.19 N., R.1 E., 0.1 mi (0.2 km) southwest of center of Greenwood at Cotton Street and Johnson Street.

Owner: City of Greenwood.

AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 660 ft (201.2 m), reported screened 620-640 ft (189.0-195.1 m).

DATUM.--Land-surface datum is 133.98 ft (40.837 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1/2-in (13 mm) bushing in top of well, 2.80 ft (0.853 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1938, March 1940 to February 1950, April 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.9 ft (6.07 m) above land-surface datum, Aug. 5, 1944; lowest measured, 35.06 ft (10.686 m) below land-surface datum, Apr. 15, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 15	35.06	SEP 21	26.28

LINCOLN COUNTY

313731090370101. Local number, B37.

LOCATION.--Lat 31°37'31", long 90°37'01", Hydrologic Unit 03180005, NE¼NE¼ sec.32, T.8 N., R.6 E., 10 mi (16 km) west of Brookhaven.

Owner: Ronald Durr.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (102 mm), depth 152 ft (46.3 m).

DATUM.--Land-surface datum is about 434 ft (132.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.70 ft (0.213 m) above land-surface datum.

PERIOD OF RECORD.--April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.50 ft (16.612 m) below land-surface datum, May 24, 1980; lowest measured 66.26 ft (20.169 m) below land-surface datum, Sept. 26, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	64.90	MAR 3	65.28	APR 18	65.62	JUN 6	65.64	AUG 6	65.97	SEP 26	66.26

LINCOLN COUNTY--Continued

313504090261401. Local number, H10.

LOCATION.--Lat 31°35'04", long 90°26'14", Hydrologic Unit 03180005, SW¼SE¼ sec.7, T.7 N., R.8 E., 0.5 mi (0.8 km) north of center of Brookhaven at Second Street and Enterprise Street.

Owner: Brookhaven Creamery.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 165 ft (50.3 m), cased to 115 ft (35.1 m).

DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent, 2.00 ft (0.609 m) above land-surface datum.

PERIOD OF RECORD.--1969, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.54 ft (18.453 m) below land-surface datum, Oct. 11, 1978; lowest measured, 72 ft (21.9 m) below land-surface datum, January 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 7	66.80

LOWNDES COUNTY

333845088275404. Local number, A14.

LOCATION.--Lat 33°38'45", long 88°27'54", Hydrologic Unit 03160101, NE¼SW¼ sec.19, T.16 S., R.18 W., 11 mi (18 km) northwest of center of Columbus on west side of U.S. Highway 45 at Columbus Air Base.

Owner: Columbus Air Base.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 456 ft (139.0 m), screened 426-456 ft (129.8-139.0 m).

DATUM.--Land-surface datum is about 188 ft (57.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.152 m) above land-surface datum.

PERIOD OF RECORD.--July 1973, 1975.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.16 ft (3.097 m) below land-surface datum, Jan. 28, 1975; lowest measured, 28.86 ft (8.796 m) below land-surface datum, Apr. 1, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 1	28.86

333306088255601. Local number, C29.

LOCATION.--Lat 33°33'06", long 88°25'56", Hydrologic Unit 03160101, SW¼SW¼ sec.28, T.17 S., R.18 W., 5 mi (8 km) north of center of Columbus on east side of U.S. Highway 45.

Owner: S. L. Thomason.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (102 mm), depth 200 ft (61.0 m).

DATUM.--Land-surface datum is about 205 ft (62.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.152 m) above land-surface datum.

PERIOD OF RECORD.--March 1959 to April 1965, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.00 ft (5.182 m) below land-surface datum, July 29, 1959; lowest measured, 36.90 ft (11.247 m) below land-surface datum, Apr. 2, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 2	36.90

333703088244801. Local number, C30.

LOCATION.--Lat 33°37'03", long 88°24'48", Hydrologic Unit 03160101, SE¼NW¼ sec.3, T.17 S., R.18 W., 10 mi (16 km) north of center of Columbus on east side of U.S. Highway 45.

Owner: T. S. Hodges.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (102 mm), depth 380 ft (115.8 m).

DATUM.--Land-surface datum is about 210 ft (64.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.152 m) above land-surface datum.

PERIOD OF RECORD.--March 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.53 ft (1.990 m) below land-surface datum, Mar. 13, 1959; lowest measured, 17.82 ft (5.432 m) below land-surface datum, Oct. 3, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 2	15.51

LOWNDES COUNTY--Continued

332838088393401. Local number, #5.

LOCATION.--Lat 33°28'38", long 88°39'34", Hydrologic Unit 03160104, NW¼NE¼ sec.31, T.19 N., R.16 E., 1.2 mi (1.9 km) southwest of center of Mayhew and 0.1 mi (0.2 km) southwest of intersection of U.S. Highways 45W and 82.

Owner: A. L. Echols.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 5 in (127 mm), depth 365 ft (111.3 m), cased to 40 ft (12.2 m).

DATUM.--Land-surface datum is about 226 ft (68.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.152 m) above land-surface datum.

PERIOD OF RECORD.--November 1957 to April 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.45 ft (12.939 m) below land-surface datum, Apr. 29, 1958; lowest measured, 95.64 ft (29.151 m) below land-surface datum, Apr. 7, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 1	95.20

332845088364901. Local number, E7.

LOCATION.--Lat 33°28'45", long 88°36'49", Hydrologic Unit 03160104, SE¼SW¼ sec.27, T.19 N., R.16 E., 1.3 mi (2.1 km) southeast of center of Mayhew on south side of U.S. Highway 82.

Owner: C. A. Pilkinton.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 800 ft (243.8 m), cased to 740 ft (225.6 m).

DATUM.--Land-surface datum is 191.99 ft (58.518 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of discharge pipe (since Apr. 6, 1970), 3.00 ft (0.914 m) above land-surface datum.

PERIOD OF RECORD.--1940, March 1959 to November 1963, April 1966 to April 1981 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.9 ft (8.50 m) above land-surface datum, 1940; lowest measured, 28.23 ft (8.604 m) below land-surface datum, Apr. 1, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 1	28.23

332945088225601. Local number, G33.

LOCATION.--Lat 33°29'45", long 88°22'56", Hydrologic Unit 03160105, NE¼SE¼ sec.14, T.18 S., R.18 W., 2 mi (3 km) east of center of Columbus at Propst Park on U.S. Highway 82.

Owner: American Legion Post.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 480 ft (146.3 m).

DATUM.--Land-surface datum is about 170 ft (51.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of discharge pipe (since Apr. 6, 1970), 6.30 ft (1.920 m) above land-surface datum.

PERIOD OF RECORD.--April 1960 to April 1972, April 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.90 ft (3.932 m) above land-surface datum, Apr. 10, 1962; lowest measured, 8.38 ft (2.554 m) below land-surface datum, May 3, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 2	5.60

333052088234101. Local number, G185.

LOCATION.--Lat 33°30'52", long 88°23'41", Hydrologic Unit 03160105, SW¼ sec.11, T.18 S., R.18 W., 2.3 mi (3.7 km) northeast of center of Columbus at city water treatment plant.

Owner: City of Columbus.

AQUIFER.--Sand of Coker Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 878 ft (267.6 m).

DATUM.--Land-surface datum is about 178 ft (54.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at faucet, 2.50 ft (0.762 m) above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--March 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 18.30 ft (5.578 m) above land-surface datum, Mar. 28, 1977; lowest water level measured 8.20 ft (2.499 m) below land-surface datum, Oct. 21, 1981.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	8.20	FEB 25	7.61	JUL 1	2.20	DEC 3	7.70	APR 2	6.75	SEP 22	7.65

GROUND-WATER LEVELS

LOWNDES COUNTY--Continued

332517088235601. Local number, L22.

LOCATION.--Lat 33°25'17", long 88°23'56", Hydrologic Unit 03160106, SE¼SE¼ sec.10, T.19 S., R.18 W., 5 mi (8 km) southeast of center of Columbus near east bank of Tombigbee River.

Owner: Hooker Chemical Company.

AQUIFER.--Sand of Coker Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 1,190 ft (362.7 m).

DATUM.--Land-surface datum is about 178 ft (54.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1-in (25 mm) bushing (since Apr. 13, 1976), 1.80 ft (0.548 m) above land-surface datum.

PERIOD OF RECORD.--May 1960 to October 1965, April 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.9 ft (13.69 m) above land-surface datum, Apr. 12, 1961; lowest measured, 28.48 ft (8.681 m) below land-surface datum, May 14, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 2	25.76

332508088235409. Local number, L34.

LOCATION.--Lat 33°25'08", long 88°23'54", Hydrologic Unit 03160105, NW¼SE¼ sec.10, T.19 S., R.18 W., 5 mi (8 km) south of center of Columbus near east bank of Tombigbee River.

Owner: Hooker Chemical Company.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 583 ft (177.7 m), reported screened 533-583 ft (162.5-177.7 m).

DATUM.--Land-surface datum is about 180 ft (55 m) National Geodetic Vertical Datum of 1929. Measuring point: Air breather in pump base 2.50 ft (0.762 m) above land-surface datum.

REMARKS.--Water level effected by nearby pumping.

PERIOD OF RECORD.--July 1958, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63 ft (19.2 m) below land-surface datum, Sept. 14, 1958; lowest measured 108.80 ft (33.162 m) below land-surface datum, May 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAY 12	108.80

332142088380101. Local number, N29.

LOCATION.--Lat 33°21'42", long 88°38'01", Hydrologic Unit 03160106, SW¼SW¼ sec.4, T.17 N., R.16 E., 3 mi (5 km) south of Artesia and east of U.S. Highway 45.

Owner: United Cement Company.

AQUIFER.--Sand of Tombigbee Member of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 570 ft (173.7 m), cased to 240 ft (73.2 m), open hole.

DATUM.--Land-surface datum is about 280 ft (85.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.5 ft (0.46 m) above land-surface datum.

PERIOD OF RECORD.--October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 127.80 ft (38.953 m) below land-surface datum, Oct. 5, 1978; lowest measured, 138.40 ft (42.184 m) below land-surface datum, Apr. 2, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 2	138.40

GROUND-WATER LEVELS

331

MADISON COUNTY

322413090101701. Local number, V13.

LOCATION.--Lat 32°24'13", long 90°10'17", Hydrologic Unit 03180002, NE¼SE¼ sec.35, T.7 N., R.1 E., 0.1 mi (0.2 km) west of center of Tougaloo at Tougaloo College.

Owner: Tougaloo College.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 800 ft (243.8 m).

DATUM.--Land-surface datum is about 380 ft (115.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Middle of tee, 3.65 ft (1.11 m) above land-surface datum.

PERIOD OF RECORD.--August 1955, November 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 163.43 ft (49.813 m) below land-surface datum, Aug. 18, 1955; lowest measured, 204.60 ft (62.362 m) below land-surface datum, Aug. 5, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	201.73	JAN 15	199.45	MAR 25	198.84	MAY 22	199.68	JUL 27	201.88	SEP 24	204.10
DEC 5	199.97	FEB 20	186.46	APR 23	199.12	JUN 24	200.27	AUG 25	204.60		

322627090062401. Local number, W5.

LOCATION.--Lat 32°26'27", long 90°06'24", Hydrologic Unit 03180002, NE¼NE¼ sec.20, T.7 N., R.2 E., 1 mi (2 km) southeast of center of Madison near Bruce Campbell Airport.

Owner: Willard F. Bond Home.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 500 ft (152.4 m).

DATUM.--Land-surface datum is about 320 ft (97.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 0.50 ft (0.152 m) or hole in plate on well head (since Apr. 24, 1961) at land-surface datum.

PERIOD OF RECORD.--January 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 112.88 ft (34.406 m) below land-surface datum, Apr. 12, 1957; lowest measured, 159.16 ft (48.512 m) below land-surface datum, Oct. 23, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	159.16	APR 23	153.80

322517090054201. Local number, W66.

LOCATION.--Lat 32°25'17", long 90°05'42", Hydrologic Unit 03180002, SW¼SE¼ sec.22, T.7 N., R.2 W., 3.5 mi (5.6 km) east of Ridgeland.

Owner: Pearl River Valley Water Supply District.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 10 in (254 mm), depth 608 ft (185.3 m).

DATUM.--Land-surface datum is about 308 ft (93.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent at pump motor base, 2.00 ft (0.609 m) above land-surface datum.

PERIOD OF RECORD.--April 1974, August 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 118 ft (36.0 m) below land-surface datum, Apr. 24, 1974; lowest measured, 146.44 ft (44.634 m) below land-surface datum, Aug. 19, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
AUG 19	146.44

MARSHALL COUNTY

344618089272801. Local number, P72.

LOCATION.--Lat 34°46'18", long 89°27'24", Hydrologic Unit 08030204, NW¼NW¼ sec.6, T.4 S., R.2 W., at Holly Springs on West Boundry Street.

Owner: Town of Holly Springs.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 718 ft (218.8 m).

DATUM.--Land-surface datum is about 510 ft (155.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.152 m) above land-surface datum.

PERIOD OF RECORD.--October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 127.88 ft (38.978 m) below land-surface datum, Apr. 24, 1977; lowest measured, 129.65 (39.517 m) below land-surface datum, July 13, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 22	128.17

GROUND-WATER LEVELS

MONROE COUNTY

335917088304401. Local number, C3.

LOCATION.--Lat 33°59'17", long 88°30'44", Hydrologic Unit 03160101, NE¼SE¼ sec.26, T.12 S., R.19 W., 0.3 mi (0.5 km) northwest of center of Amory at 108th Street and 5th Avenue at waterworks.

Owner: Town of Amory.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth reported 360 ft (109.7 m).

DATUM.--Land-surface datum is about 240 ft (73.2 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of ell on well head, 2.00 ft (0.609 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--October 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.40 ft (6.218 m) below land-surface datum, Apr. 26, 1973; lowest measured, 31.97 ft (9.744 m) below land-surface datum, Apr. 8, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 11	26.13

334836088390201. Local number, Ø3.

LOCATION.--Lat 33°48'36", long 88°39'02", Hydrologic Unit 03160101, NE¼NE¼ sec.3, T.15 S., R.6 E., 2 mi (3 km) northeast of center of Prairie.

Owner: John Judsen.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 451 ft (137.5 m).

DATUM.--Land-surface datum is about 315 ft (96.0 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of plate on well head, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--1942, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 114 ft (34.7 m) below land-surface datum, 1942; lowest measured, 193.74 ft (59.052 m) below land-surface datum, Oct. 16, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 11	174.68

334359088391601. Local number, Ø16.

LOCATION.--Lat 33°43'59", long 88°39'16", Hydrologic Unit 031601104, SW¼NE¼ sec.34, T.15 S., R.6 E., at Muldon on State Highway 25.

Owner: Muldon Grain Elevator Company (Formerly M and O Railroad)

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm) depth 620 ft (189.0 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of casing, 1.7 ft (0.52 m) above land-surface datum.

PERIOD OF RECORD.--1901, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.00 ft (18.288 m) below land-surface datum, 1901; lowest measured, 157.90 ft (48.128 m) below land-surface datum, Oct. 16, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 11	155.80

334836088333301. Local number, P22.

LOCATION.--Lat 33°48'36", long 88°33'33", Hydrologic Unit 03160101, NW¼NW¼ sec.3, T.15 S., R.7 E., 1 mi (2 km) southwest of center of Aberdeen on State Highway 25.

Owner: Conoco Chemicals (Formerly Monroe Mfg. Co.).

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 216 ft (65.8 m).

DATUM.--Land-surface datum is about 218 ft (66.4 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of recorder house floor, 2.60 ft (0.792 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--October 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.87 ft (10.933 m) below land-surface datum, Oct. 16, 1962; lowest measured, 112.30 ft (34.229 m) below land-surface datum, Apr. 8, 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 11	102.27

MONROE COUNTY--Continued

334147088261501. Local number, Q18.

LOCATION.--Lat 33°41'47", long 88°26'15", Hydrologic Unit 03160103, SE¼SE¼ sec.5, T.16 S., R.18 W., 3 mi (5 km) south of center of Hamilton on east side of U.S. Highway 45E.

Owner: T. G. Owen.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 390 ft (118.9 m).

DATUM.--Land-surface datum is about 216 ft (65.8 m) National Geodetic Vertical Datum of 1929. Measuring point: 1/2-in (13 mm) plug in top of casing, 1.20 ft (0.365 m) above land-surface datum.

PERIOD OF RECORD.--May 1964, July 1973, May 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26 ft (7.9 m) below land-surface datum, May 1964; lowest measured, 59.18 ft (18.038 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 2	59.06

MONTGOMERY COUNTY

332916089432002. Local number, F2.

LOCATION.--Lat 33°29'16", long 89°43'20", Hydrologic Unit 08060201, NW¼NE¼ sec.25, T.19 N., R.5 E., 0.5 mi (0.8 km) northeast of center of Winona at waterworks.

Owner: Town of Winona.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 308 ft (93.9 m), screened 248-308 ft (75.6-93.9 m).

DATUM.--Land-surface datum is 373.14 ft (113.733 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.70 ft (0.518 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--September 1939, February 1958 to June 1972, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.70 ft (28.866 m) below land-surface datum, Apr. 19, 1959; lowest measured, 120.67 ft (36.780 m) below land-surface datum, Aug. 10, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 21	116.23

NEWTON COUNTY

322728089161201. Local number, E1.

LOCATION.--Lat 32°27'28", long 89°16'12", Hydrologic Unit 03180001, SW¼SW¼ sec.10, T.7 N., R.10 E., 0.8 m. (1.3 km) east of Post Office at Conehatta.

Owner: U.S. Department of Interior, Conehatta Indian School

AQUIFER.--Sparta Sand of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 351 ft (107.0 m).

DATUM.--Land-surface datum is about 515 ft (157.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 1.00 ft (0.304 m) above land surface.

PERIOD OF RECORD.--January 1959, March 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 163 ft (49.7 m) below land-surface datum, Jan. 15, 1959; lowest measured 169.63 ft (51.703 m) below land-surface datum, Nov. 4, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 17	168.94

GROUND-WATER LEVELS

NEWTON COUNTY--Continued

322722089162002. Local number, E23.

LOCATION.--Lat 32°27'22", long 89°16'20", Hydrologic Unit 031300001, NW¼NW¼ sec.15, T.7 N., R.10 E., 0.8 mi (1.3 km) east of Post Office at Conehatta.

Owner: Conehatta Indian School

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled institutional artesian well, diameter 8 in (203 mm), depth 639 ft (194.8 m).

DATUM.--Land-surface datum is about 525 ft (160.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base at land-surface datum.

PERIOD OF RECORD.--December 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 221.80 ft (67.605 m) below land-surface datum, Dec. 4, 1979; lowest measured 224.75 ft (68.503 m) below land-surface datum, Apr. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 17	224.75

NOXUBEE COUNTY

330645088332801. Local number, H115.

LOCATION.--Lat 33°06'50", long 88°34'10", Hydrologic Unit 03160108, NW¼NW¼ sec.33, T.15 N., R.17 E., 1 mi (2 km) northwest of center of Macon on Pearl Street at railroad.

Owner: Town of Macon.

AQUIFER.--Sand and gravel of Coker Formation of the Tuscaloosa Group of Late Cretaceous age. WELL CHARACTERISTICS.--Drilled unused well, diameter 10 in (254 mm), depth 1,807 ft (550.8 m), cased to 1,767 ft (538.6 m).

DATUM.--Land-surface datum is about 185 ft (56.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1/4-in (6 mm) gate valve on discharge pipe, 3.00 ft (0.914 m) above land-surface datum.

PERIOD OF RECORD.--February 1955 to October 1956, October 1958 to April 1963, April 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.2 ft (10.12 m) above land-surface datum, Feb. 3, 1955; lowest measured, 5.74 ft (1.750 m) below land-surface datum, July 30, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 1	5.08

332710088471701. Local number, G102.

LOCATION.--Lat 33°27'10", long 88°47'17", Hydrologic Unit 03160104, NE¼SW¼ sec.1, T.18 N., R.14 E., 0.2 mi (0.3 km) east of center of State College at Walker Engineering Building.

Owner: Mississippi State University.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 1,008 ft (307.2 m), cased to 968 ft (295.0 m).

DATUM.--Land-surface datum is 380.95 ft (116.113 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.33 ft (0.710 m) above land-surface datum.

PERIOD OF RECORD.--June 1940 to July 1948, January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 176.14 ft (53.687 m) below land-surface datum, Apr. 3, 1941; lowest measured, 222.95 ft (67.955 m) below land-surface datum, Mar. 10, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 10	222.95

PERRY COUNTY

310956088552101. Local number, M11.

LOCATION.--Lat 31°09'56", long 88°55'21", Hydrologic Unit 03170005, SW¼SW¼ sec.5, T.2 N., R.9 W., near center of Beaumont on third street.

Owner: Town of Beaumont.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply (standby) well, diameter 11 in (279 mm), depth 666 ft (203.0 m), reported screened 626-666 ft (190.8-203.0 m).

DATUM.--Land-surface datum is about 95 ft (29.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Faucet near pump base, 2.50 ft (0.762 m) above land-surface datum.

PERIOD OF RECORD.--August 1965, January 1976, June 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35 ft (10.70 m) above land-surface datum, Aug. 1, 1965; lowest measured 23.0 ft (7.01 m) above land-surface datum, Mar. 20, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 20	23.0	DEC 22	27.6

PIKE COUNTY

310833090272801. Local number, G2.

LOCATION.--Lat 31°08'33", long 90°27'28", Hydrologic Unit 08070205, NW¼NW¼ sec.13, T.2 N., R.7 E., 0.1 mi (0.2 km) west of center of Magnolia and west of City Hall.

Owner: Town of Magnolia.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 432 ft (131.7 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 0.50 ft (0.152 m) above land-surface datum.

PERIOD OF RECORD.--1967, February 1970, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.00 ft (1.219 m) below land-surface datum, 1967; lowest measured, 18.45 ft (5.624 m) below land-surface datum, Feb. 17, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 7	11.80

PRENTISS COUNTY

343921088334101. Local number, F2.

LOCATION.--Lat 34°39'21", long 88°33'41", Hydrologic Unit 08010207, SE¼SE¼ sec.9, T.5 S., R.7 E., 0.1 mi (0.2 km) north of center of Booneville at Court Street and Main Street.

Owner: Town of Booneville.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (406 mm), depth 491 ft (149.7 m), cased to 406 ft (123.7 m).

DATUM.--Land-surface datum is about 525 ft (160.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent on south side of pump base, 3.00 ft (0.914 m) above land-surface datum.

PERIOD OF RECORD.--July 1950, May 1972, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 183 ft (55.8 m) below land-surface datum, July 1950; lowest measured, 206.65 ft (62.996 m) below land-surface datum, Mar. 19, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 19	206.65

GROUND-WATER LEVELS

PRENTISS COUNTY--Continued

343142088384401. Local number, J84.

LOCATION.--Lat 34°31'42", long 88°38'44", Hydrologic Unit 03160101, SE¼NE¼ sec.26, T.6 S., R.6 E., 1.7 mi (2.7 km) north of center of Baldwin on west side of U.S. Highway 45.

Owner: Baldwin Implement Co.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (102 mm), depth 440 ft (134.1 m), cased to 158 ft (48.2 m).

DATUM.--Land-surface datum is about 345 ft (105.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.50 ft (0.457 m) above land-surface datum.

PERIOD OF RECORD.--July 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.50 ft (8.992 m) below land-surface datum, July 25, 1973; lowest measured, 47.55 ft (14.493 m) below land-surface datum, Mar. 19, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 19	47.55

RANKIN COUNTY

322249089582101. Local number, G43.

LOCATION.--Lat 32°22'49", long 89°58'21", Hydrologic Unit 03180002, SW¼NW¼ sec.10, T.6 N., R.3 E., 7.4 mi (12 km) north of Brandon on Spillway road.

Owner: Pearl River Valley Water Supply District.

AQUIFER.--Sparta Sand of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16 in (407 mm), depth 1,190 ft (362.7 m).

DATUM.--Land-surface datum is about 320 ft (97.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent at pump motor base, 1.70 ft (0.518 m) above land-surface datum.

PERIOD OF RECORD.--November 1980, August 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 155 ft (47.2 m) below land-surface datum, Nov. 9, 1980; lowest measured, 159.39 ft (48.582 m) below land-surface datum, Aug. 19, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
AUG 19	159.39

321846089475101. Local number, J110.

LOCATION.--Lat 32°18'46", long 89°47'51", Hydrologic Unit 03180002, SW¼SW¼ sec.33, T.6 N., R.5 E., 0.2 mi (0.3 km) east of center of Pelahatchie at Fire Station.

Owner: Town of Pelahatchie.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 563 ft (171.6 m), screened 503-563 ft (153.3-171.6 m).

DATUM.--Land-surface datum is about 365 ft (111.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in cover plate, at land-surface datum.

PERIOD OF RECORD.--July 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 101.62 ft (30.974 m) below land-surface datum, Apr. 9, 1956; lowest measured, 131.96 ft (40.221 m) below land-surface datum, Jan. 22, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 17	120.18

SCOTT COUNTY

322148089283201. Local number, L1.

LOCATION.--Lat 32°21'48", long 89°28'32", Hydrologic Unit 03180001, SE¼NE¼ sec.16, T.6 N., R.8 E., 0.1 mi (0.2 km) west of center of Forest at Wade Street and Walker Street.

Owner: Town of Forest.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 360 ft (109.7 m), cased to 280 ft (85.3 m).

DATUM.--Land-surface datum is about 480 ft (146.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.00 ft (0.914 m) above land-surface datum.

PERIOD OF RECORD.--August 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.30 ft (29.657 m) below land-surface datum, May 7, 1980; lowest measured, 145.4 ft (44.32 m) below land-surface datum, Apr. 28, 1967.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	100.95	APR 17	100.65

322202089290502. Local number, L13.

LOCATION.--Lat 32°22'02", long 89°29'05", Hydrologic Unit 03180001, SE¼NE¼ sec.16, T.6 N., R.8 E., 0.7 mi (1.1 km) west of center of Forrest at George Street and Cleveland Street.

Owner: Town of Forest

AQUIFER.--Sparta Sand of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 721 ft (219.8).

DATUM.--Land-surface datum is about 480 ft (146.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.5 ft (0.46 m) above land-surface datum.

PERIOD OF RECORD.--November 1964, November 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 193 ft (58.8 m) below land-surface datum, November 1964; lowest measured, 215.40 ft (65.653 m) below land-surface datum, Dec. 19, 1980.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 4	214.87	DEC 19	215.40

SHARKEY COUNTY

325839090501601. Local number, C43.

LOCATION.--Lat 32°58'39", long 90°50'16", Hydrologic Unit 08030209, sec.17, T.13 N., R.6 W., 0.6 mi (1.0 km) northwest of center of Anguilla on west side of Deer Creek.

Owner: M. C. Ewing.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (102 mm), depth 1,830 ft (557.8 m), cased to 1,790 ft (545.6 m).

DATUM.--Land-surface datum is about 106 ft (32.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of tee at well head, 2.00 ft (0.609 m) or top of faucet at road, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--October 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.0 ft (30.48 m) above land-surface datum, July 23, 1973; lowest measured, 87.8 ft (26.76 m) above land-surface datum, Mar. 17, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 17	87.8

324749090553101. Local number, G44.

LOCATION.--Lat 32°47'49", long 90°55'31", Hydrologic Unit 08030209, NE¼NW¼ sec.16, T.11 N., R.7 W., 0.3 mi (0.5 km) south of center of Cary on east side of U.S. Highway 61.

Owner: Cary High School.

AQUIFER.--Sparta Sand of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 1,149 ft (350.2 m).

DATUM.--Land-surface datum is about 102 ft (31.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--February 1939, September 1960, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.9 ft (7.285 m) above land-surface datum, Feb. 10, 1939; lowest measured, 23.09 ft (7.037 m) below land-surface datum, Sept. 15, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 17	21.85	SEP 15	23.09

GROUND-WATER LEVELS

SIMPSON COUNTY

315256089392401. Local number, L1.

LOCATION.--Lat 31°52'56", long 89°39'24", Hydrologic Unit 03170004, SE¼NW¼ sec.35, T.1 N., R.6 E., 4 mi (6 km) east of center of Magee off Highway 28.

Owner: Okatoma Water Association.

AQUIFER.--Sparta Sand of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 1,620 ft (493.8 m).

DATUM.--Land-surface datum is about 530 ft (161.5 m) above National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 2.5 ft (0.76 m) above land-surface datum.

PERIOD OF RECORD.--January 1969, September 1971, July 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 302 ft (92.0 m) below land-surface datum, Jan. 31, 1969; lowest water level measured 330.75 ft (100.812 m) below land-surface datum, Mar. 31, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	330.58	MAR 31	330.75

315258089392201. Local number, L13.

LOCATION.--Lat 31°52'58" long 89°39'22", Hydrologic Unit 03170004, SE¼NW¼ sec.35, T.1 N., R.6 E., 4 mi (6 km) east of center of Magee off Highway 28.

Owner: Okatoma Water Association.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled public-supply water-table well, diameter 18 in (457 mm), depth 200 ft (61.0 m), reported screened 150 to 200 ft (45.7-61.0 m).

DATUM.--Land-surface datum is about 515 ft (157.0 m) above National Geodetic Vertical Datum of 1929. Measuring point: Top of breather, 2.50 ft (0.762 m) above land-surface datum.

PERIOD OF RECORD.--May 1972, May 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 102.25 ft (31.166 m) below land-surface datum, Apr. 17, 1980; lowest measured 110 ft (33.5 m) below land-surface datum, May 31, 1979; lowest measured 110 ft (33.5 m) below land-surface datum, May 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 31	103.33

SUNFLOWER COUNTY

334017090301801. Local number, H18.

LOCATION.--Lat 33°40'17", long 90°30'18", Hydrologic Unit 08030207, SE¼NE¼ sec.21, T.21 N., R.3 W., 1.5 mi (2.4 km) northeast of center of Daddsville on county road.

Owner: B. D. McCarty.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (102 mm), depth 1,370 ft (417.6 m).

DATUM.--Land-surface datum is about 125 ft (38.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of faucet at well, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--April 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.0 ft (4.57 m) above land-surface datum, Apr. 14, 1971; lowest measured, 1.0 ft (0.30 m) below land-surface datum, Sept. 25, 1981.

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 24	1.0	SEP 25	-1.0

332505090293001. Local number, R21.

LOCATION.--Lat 33°25'05", long 90°29'30", Hydrologic Unit 08030207, NW¼SW¼ sec.22, T.18 N., R.3 W., 2.5 mi (4.0 km) southeast of center of Moorehead on county road.

Owner: Edgar Hobbs.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3 in (76 mm), depth 1,547 ft (471.5 m).

DATUM.--Land-surface datum is about 110 ft (34.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of faucet at well, 2.00 ft (0.609 m) above land-surface datum.

PERIOD OF RECORD.--November 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.5 ft (12.65 m) above land-surface datum, Feb. 10, 1970; lowest measured, 17.5 ft (5.33 m) above land-surface datum, Apr. 24, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 24	17.5

TATE COUNTY

343723089592801. Local number, F22.

LOCATION.--Lat 34°37'23", long 89°59'28", Hydrologic Unit 08030204, SE¼SE¼ sec.25, T.5 S., R.8 W., 1.2 mi (1.9 km) southeast of center of Senatobia at stand tank on Browns Ferry Road.

Owner: Town of Senatobia.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 5 in (127 mm), depth 1,085 ft (330.7 m), cased to 1,065 ft (324.6 m).

DATUM.--Land-surface datum is about 340 ft (103.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.30 ft (0.400 m) above land-surface datum.

PERIOD OF RECORD.--October 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 135.18 ft (41.203 m) below land-surface datum, May 23, 1973; lowest measured, 147.87 ft (45.070 m) below land-surface datum, Apr. 21, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 21	147.87

343811089580401. Local number, G37a.

LOCATION.--Lat 34°38'11", long 89°58'04", Hydrologic Unit 08030204, NW¼SW¼ sec.20, T.5 S., R.7 W., 1 mi (2 km) north of center of Senatobia at Chromcraft Plant.

Owner: Town of Senatobia.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 1,180 ft (359.7 m), cased to 1,160 ft (353.6 m).

DATUM.--Land-surface datum is about 250 ft (76.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.20 ft (0.670 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--October 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.84 ft (16.106 m) below land-surface datum, June 6, 1973; lowest measured, 94.59 ft (28.831 m) below land-surface datum, June 9, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 21	81.02

TIPPAH COUNTY

345658088534101. Local number, B8.

LOCATION.--Lat 34°56'58", long 88°53'41", Hydrologic Unit 08010207, SE¼ sec.32, T.1 S., R.4 E., 0.2 mi (0.3 km) north of center of Walnut at swimming pool and elevated tank.

Owner: Town of Walnut.

AQUIFER.--Sand of McNairy Sand Member of Ripley Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 147 ft (44.8 m), cased to 137 ft (41.8 m).

DATUM.--Land-surface datum is about 470 ft (143.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--June 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.70 ft (18.806 m) below land-surface datum, Feb. 24, 1975; lowest measured, 67.23 ft (20.492 m) below land-surface datum, Apr. 9, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 17	63.35

GROUND-WATER LEVELS

TISHOMINGO COUNTY

345802088144901. Local number, B18.

LOCATION.--Lat 34°58'02", long 88°14'49", Hydrologic Unit 06030005, SW¼NE¼ sec.28, T.1 S., R.10 E., 2.8 mi (4.5 km) north of center of Cross Roads on west side of State Highway 25.

Owner: Yellow Creek Port.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 378 ft (115.2 m), cased to 147 ft (44.8 m).

DATUM.--Land-surface datum is about 560 ft (170.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.152 m) above land-surface datum.

PERIOD OF RECORD.--October 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.31 ft (29.965 m) below land-surface datum, Mar. 11, 1980; lowest measured, 101.40 ft (30.906 m) below land-surface datum, Mar. 19, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
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MAR 19	101.40
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345603088170601. Local number, B19.

LOCATION.--Lat 34°56'03", long 88°17'06", Hydrologic Unit 06030005, NE¼SW¼ sec.6, T.2 S., R.10 E., 2 mi (3 km) northwest of center of Cross Roads.

Owner: Yellow Creek Port.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 266 ft (81.1 m), cased to 90 ft (27.4 m).

DATUM.--Land-surface datum is about 467 ft (142.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--September 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.60 ft (3.840 m) below land-surface datum, Apr. 12, 1978; lowest measured, 15.00 ft (4.572 m) below land-surface datum, Sept. 29, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
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MAR 17	13.49
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345703088145601. Local number, B21.

LOCATION.--Lat 34°57'03", long 88°14'56", Hydrologic Unit 06030005, SW¼NE¼ sec.33, T.1 S., R.10 E., 1.5 mi (2.4 km) north of center of Cross Roads on State Highway 25.

Owner: Yellow Creek Port.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 349 ft (106.4 m), cased to 76 ft (23.2 m).

DATUM.--Land-surface datum is about 455 ft (138.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--October 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.07 ft (0.021 m) above land-surface datum, Apr. 10, 1979; lowest measured, 3.10 ft (0.944 m) below land-surface datum, Mar. 17, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
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MAR 17	3.10
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344834088111601. Local number, F1.

LOCATION.--Lat 34°48'34", long 88°11'16", Hydrologic Unit 06030005, NW¼NW¼ sec.19, T.3 S., R.11 E., 0.1 mi (0.2 km) east of center of Iuka.

Owner: H. M. Biggs.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 113 ft (34.4 m), cased to 105 ft (32.0 m).

DATUM.--Land-surface datum is about 545 ft (166.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft (0.609 m) above land-surface datum.

PERIOD OF RECORD.--1956, April 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.2 ft (9.51 m) below land-surface datum, Apr. 1, 1974; lowest measured, 65.1 ft (19.84 m) below land-surface datum, Jan. 18, 1967.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
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MAR 17	36.80
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TISHOMINGO COUNTY--Continued

343936088161901. Local number, J10.

LOCATION.--Lat 34°39'36", long 88°16'19", Hydrologic Unit 03160101, NW¼SE¼ sec.8, T.5 S., R.10 E., 0.2 mi (0.3 km) south of center of Paden at Murphy Street and Lennon Avenue.

Owner: Irwin Schwabe Company.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 181 ft (55.2 m).

DATUM.--Land-surface datum is about 420 ft (128.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (19 mm) nipple at well head (since Mar. 17, 1976), 2.80 ft (0.853 m), or top of cap 1.7 ft (0.51 m) above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--July 1971 to February 1972, March 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.20 ft (5.852 m) above land-surface datum, Mar. 13, 1974; lowest measured, 2.30 ft (0.701 m) below land-surface datum, Aug. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 13	1.21	MAR 13	1.95	AUG 12	2.30

TUNICA COUNTY

344540090230801. Local number, D29.

LOCATION.--Lat 34°45'40", long 90°23'08", Hydrologic Unit 08030204, SW¼SE¼ sec.5, T.4 S., R.11 W., 5 mi (8 km) north of center of Tunica.

Owner: Jack Day Perry.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in (406 mm), depth 125 ft (38.1 m).

DATUM.--Land-surface datum is about 188 ft (57.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.40 ft (0.426 m) above land-surface datum.

REMARKS.--Water level affected by seasonal pumping.

PERIOD OF RECORD.--July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.48 ft (4.718 m) above land-surface datum, Sept. 15, 1981; lowest measured 16.49 ft (5.026 m) below land-surface datum, Aug. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5										---	16.37	15.71
10										---	16.46	25.70
15										---	16.03	15.71
20										16.17	15.83	15.77
25										16.21	15.81	15.83
EOM										16.27	15.82	15.87

UNION COUNTY

343200089045901. Local number, B6.

LOCATION.--Lat 34°32'00", 89°04'59", Hydrologic Unit 08030201, SE¼NW¼ sec.27, T.6 S., R.2 E., 5 mi (8 km) northwest of New Albany on north side of U.S. Highway 78.

Owner: Futorian Furniture Corp. (Frame plant).

AQUIFER.--Sand of Ripley Formation of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled industrial (fire protection) artesian well, diameter 6 in (152 mm), depth 500 ft (152.4 m).

DATUM.--Land-surface datum is about 385 ft (117.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing below pump base, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--1955, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 25 ft (7.6 m) below land-surface datum, 1955; lowest water level measured, 71.20 ft (21.702 m) below land-surface datum, July 29, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 17	67.50

GROUND-WATER LEVELS

UNION COUNTY--Continued

343418088484901. Local number, E22.

LOCATION.--Lat 34°34'18", long 88°48'49", Hydrologic Unit 08010207, NW¼SE¼ sec.7, T.6 S., R.5 W., 6 mi (10 km) north of Mississippi State Highway 30.

Owner: Keownville Water Association.

AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 312 ft (95.1 m), cased to 696 ft (212.1 m).

DATUM.--Land-surface datum is about 680 ft (207.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Plug in top of casing, 1.00 ft (0.304 m) above land-surface datum.

REMARKS.--Water levels effected by nearby pumping.

PERIOD OF RECORD.--July 1972, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 340 ft (103.6 m) below land-surface datum, July 5, 1972; lowest measured 451.50 ft (137.617 m) below land-surface datum, May 16, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 21	385.00

WARREN COUNTY

322310090530202. Local number, J4.

LOCATION.--Lat 32°23'10", long 90°53'02", Hydrologic Unit 08030208, SW¼SW¼ sec.2, T.16 N., R.3 E., 2.5 mi (4.0 km) northwest of center of Vicksburg on north side of Industrial Road.

Owner: City of Vicksburg.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in (254 mm), depth 170 ft (51.8 m), cased to 150 ft (45.7 m).

DATUM.--Land-surface datum is about 90 ft (27.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Bottom of recorder house floor, 17.26 ft (5.260 m) above land-surface datum.

PERIOD OF RECORD.--October 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.60 ft (0.183 m) below land-surface datum, Apr. 17, 1975; lowest measured, 53.98 ft (16.453 m) below land-surface datum, Feb. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	38.81	FEB 12	53.98	MAR 6	47.86	MAY 21	42.41	JUL 24	33.34	AUG 21	36.14

WASHINGTON COUNTY

332432091031501. Local number, D16.

LOCATION.--Lat 33°24'32", long 91°03'15", Hydrologic Unit 08030209, Irregular sec.4, T.18 N., R.8 W., 0.2 mi (0.3 km) northeast of center of Greenville at Alexander Street and Illinois Central Railroad.

Owner: Itzig Company.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 517 ft (157.6 m).

DATUM.--Land-surface datum is about 125 ft (38.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft (0.914 m) above land-surface datum.

PERIOD OF RECORD.--November 1960, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.72 ft (24.298 m) below land-surface datum, Apr. 15, 1980; lowest measured, 107.87 ft (32.879 m) below land-surface datum, June 7, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 15	79.72

GROUND-WATER LEVELS
WASHINGTON COUNTY--Continued

343

332228091045402. Local number, D33b.

LOCATION.--Lat 33°22'28", long 91°04'54", Hydrologic Unit 08030209, Irregular sec.10, T.18 N., R.9 W., 4 mi (6 km) southwest of center of Greenville in industrial park on Theobald Street.

Owner: U.S. Geological Survey.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 1,994 ft (607.8 m), cased to 1,984 ft (604.7 m).

DATUM.--Land-surface datum is 125.07 ft (38.121 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of valve on cap on well, 2.62 ft (0.800 m) above land-surface datum.

PERIOD OF RECORD.--June 1969 to April 1972, June 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.82 ft (15.795 m) above land-surface datum, Apr. 14, 1970; lowest measured, 34.62 ft (10.552 m) above land-surface datum, June 5, 1974.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 15	39.0

332007090525401. Local number, H14.

LOCATION.--Lat 33°20'07", long 90°52'54", Hydrologic Unit 08030209, NW¼SW¼ sec.12, T.17 N., R.7 W., 5 mi (8 km) south of center of Leland and east of Deer Creek.

Owner: Louis Munn.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in (254 mm), depth 102 ft (31.1 m), cased to 72 ft (21.9 m).

DATUM.--Land-surface datum is about 115 ft (35.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.304 m) above land-surface datum.

PERIOD OF RECORD.--March 1956 to October 1963, January 1965 to October 1966, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.86 ft (3.615 m) below land-surface datum, Oct. 14, 1958; lowest measured, 26.25 ft (8.001 m) below land-surface datum, June 9, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 14	22.52	JUN 9	26.25	JUL 14	23.99	SEP 23	24.73

331808090532901. Local number, H101.

LOCATION.--Lat 33°18'08", long 90°53'29", Hydrologic Unit 08030209, SW¼SE¼ sec.23, T.17 N., R.7 W., 0.1 mi (0.2 km) southwest of center of Wilmot.

Owner: J. A. Aldridge.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 1,903 ft (580.0 m), cased to 1,895 ft (577.6 m).

DATUM.--Land-surface datum is about 120 ft (36.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of tee, 0.80 ft (0.240 m) above land-surface datum.

PERIOD OF RECORD.--February 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.5 ft (16.31 m) above land-surface datum, Dec. 20, 1954; lowest measured, 8.0 ft (2.44 m) above land-surface datum, Nov. 15, 1979.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 14	12.0

331120090413001. Local number, M44.

LOCATION.--Lat 33°11'20", long 90°41'30", Hydrologic Unit 08030207, NW¼SW¼ sec.35, T.16 N., R.5 W., 11 mi (18 km) east of center of Hollandale on State Highway 12 at Sunflower River.

Owner: Dave Jones.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in (406 mm), depth reported 110 ft (33.5 m).

DATUM.--Land-surface datum is about 105 ft (32.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.20 ft (0.366 m) above land-surface datum.

PERIOD OF RECORD.--May 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.28 ft (4.962 m) below land-surface datum, Apr. 25, 1975; lowest measured, 27.30 ft (8.321 m) below land-surface datum, Sept. 12, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
MAR 17	24.74

GROUND-WATER LEVELS

WASHINGTON COUNTY--Continued

330227090592001. Local number, S4.

LOCATION.--Lat 33°02'27", long 90°59'20", Hydrologic Unit 08030209, SW¼SE¼ sec.28, T.14 N., R.8 W., 1.2 mi (1.9 km) northeast of center of Hampton on south side of State Highway 436.

Owner: Agricultural Chemical Corp.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 12 in (305 mm), depth 105 ft (32.0 m), screened 80-105 ft (24.4-32.0 m).

DATUM.--Land-surface datum is 111.24 ft (33.906 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.95 ft (0.594 m) above land-surface datum.

PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.8 ft (1.77 m) below land-surface datum, May 13, 1958; lowest measured, 20.00 ft (6.096 m) below land-surface datum, Aug. 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	14.38	13.60				---	13.42	15.81	---	---	---	15.78
10	---	---				---	13.58	16.23	16.30	20.46	---	15.74
15	14.30	---				---	14.40	16.52	14.10	---	---	15.70
20	---	---				13.27	15.72	13.70	---	---	---	15.75
25	---	---				13.39	14.27	---	---	21.90	18.45	15.80
EOM	13.80	---				13.37	15.50	---	---	---	16.20	---

WAYNE COUNTY

314115088392301. Local number, N151.

LOCATION.--Lat 31°41'15", long 88°39'23", Hydrologic Unit 03170002, NE¼SE¼ sec.2, T.8 N., R.7 W., 1 mi (2 km) northwest of center of Waynesboro at Turner Street and Gulf Mobile and Ohio Railroad.

Owner: Town of Waynesboro.

AQUIFER.--Sand of Vicksburg Group of Oligocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18-8 in (457-203 mm), depth 82 ft (25.0 m), cased to 32 ft (10 m).

DATUM.--Land-surface datum is about 180 ft (54.9 m) National Geodetic Vertical Datum of 1929. Measuring point: 1-in (25 mm) hole in breather pipe inside recorder shelter, 2.30 ft (0.701 m) above land-surface datum.

PERIOD OF RECORD.--April 1973, February 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.72 ft (8.449 m) below land-surface datum, Mar. 23, 1976; lowest measured, 35.73 ft (10.890 m) below land-surface datum, Feb. 3, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	35.30	35.00	35.25	35.05	35.68	34.96	34.10	32.18	31.29	31.96	33.23	32.62
10	35.22	35.01	35.23	35.03	35.40	34.94	33.56	31.93	31.59	31.96	33.22	32.43
15	35.16	35.01	35.09	35.20	35.45	34.75	33.34	31.79	31.73	32.15	33.36	32.29
20	35.11	35.20	35.46	35.30	35.21	34.66	33.06	31.55	31.92	32.37	33.05	32.17
25	35.08	35.17	35.26	35.49	35.23	34.68	32.79	31.43	31.99	32.81	33.00	32.12
EOM	35.07	35.18	34.95	35.65	35.24	34.42	32.46	31.20	32.14	33.01	32.86	32.11

WEBSTER COUNTY

332425089212001. Local number, M25.

LOCATION.--Lat 33°24'25", long 89°21'20", Hydrologic Unit 08060201, SW¼NW¼ sec.28, T.19 N., R.9 E., north side of U.S. Highway 82, 0.2 mi (0.32 km) east of Tomnolem.

Owner: Town of Tomnolem.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled public-supply well, diameter 10 in (254 mm), depth 359 ft (109.4 m).

DATUM.--Land-surface datum is about 350 ft (106.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete pump base, 1.80 ft (0.548 m) above land-surface datum.

PERIOD OF RECORD.--December 1970, July 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.0 ft (1.22 m) below land-surface datum, Dec. 30, 1970; lowest water level measured, 31.85 ft (9.707 m) below land-surface datum, Apr. 22, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 22	31.85

WILKINSON COUNTY

310415091042201. Local number, T101.

LOCATION.--Lat 31°04'15", long 91°04'22", Hydrologic Unit 08070202, SE¼NW¼ sec.2, T.1 N., R.1 E., 1 mi (2 km) southwest of center of Centreville on State Highway 33.

Owner: J. P. Kennedy. Old Camp Van Dorn.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (406 mm), depth 222 ft (67.7 m), screened 162-222 ft (49.4-67.7 m), cased to 162 ft (48.7 m).

DATUM.--Land-surface datum is 353.5 ft (107.75 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.20 ft (0.365 m) above land-surface datum.

PERIOD OF RECORD.--May 1942, March 1954 to October 1963, March 1968, March 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.0 ft (13.11 m) below land-surface datum, May 5, 1942; lowest measured, 52.22 ft (15.917 m) below land-surface datum, Dec. 10, 1954.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 7	50.90

310415091042202. Local number, T102.

LOCATION.--Lat 31°04'15", long 91°04'22", Hydrologic Unit 08070202, SE¼NW¼ sec.2, T.1 N., R.1 E., 1 mi (2 km) southwest of center of Centreville on State Highway 33.

Owner: J. P. Kennedy. Old Camp Van Dorn.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 415 ft (126.5 m), screened 355-415 ft (108.2-126.5 m), cased to 355 ft (108.2 m).

DATUM.--Land-surface datum is 355.1 ft (108.23 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.48 ft (0.451 m) above land-surface datum.

PERIOD OF RECORD.--May 1942, March 1954 to October 1963, March 1968, March 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 128.4 ft (39.14 m) below land-surface datum, May 5, 1942; lowest measured, 167.27 ft (50.984 m) below land-surface datum, June 18, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 7	165.70

310415091042203. Local number, T103.

LOCATION.--Lat 31°04'15", long 91°04'22", Hydrologic Unit 08070202, SE¼NW¼ sec.2, T.1 N., R.1 E., 1 mi (2 km) southwest of center of Centreville on State Highway 33.

Owner: J. P. Kennedy. Old Camp Van Dorn.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (305 mm), depth 1,685 ft (513.6 m), screened 1,625-1,685 ft (495.3-513.6 m), cased to 1,625 ft (495.3 m).

DATUM.--Land-surface datum is 356.4 ft (108.63 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.40 ft (0.426 m) above land-surface datum.

PERIOD OF RECORD.--May 1942, February 1954 to October 1963, March 1968, March 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 238.1 ft (72.57 m) below land-surface datum, May 13, 1942; lowest measured, 277.70 ft (84.643 m) below land-surface datum, Apr. 7, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 7	277.70

GROUND-WATER LEVELS

YAZOO COUNTY

325905090192202. Local number, B102.

LOCATION.--Lat 32°59'05", long 90°19'22", Hydrologic Unit 08030206, SE¼SW¼ sec.8, T.13 N., R.1 W., at Eden across street from post office.

Owner: Town of Eden.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (76 mm), depth 800 ft (243.8 m), cased to 770 ft (234.7 m).

DATUM.--Land-surface datum is 112.3 ft (34.22 m) National Geodetic Vertical Datum of 1929. Measuring point: Bottom edge of hole in north side of casing, 5.30 ft (9.615 m) above land-surface datum.

PERIOD OF RECORD.--1919, February 1939, April 1943 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.7 ft (12.10 m) above land-surface datum, 1919; lowest measured, 19.29 ft (5.879 m) below land-surface datum, Apr. 22, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	16.07	APR 22	19.29	SEP 21	18.64

325905090192201. Local number, B103.

LOCATION.--Lat 32°59'05", long 90°19'22", Hydrologic Unit 08030206, SE¼SW¼ sec.8, T.13 N., R.1 W., at Eden across from Baptist church.

Owner: Town of Eden.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 4-2.5 in (102-64 mm), depth 1,735 ft (528.8 m), screened 1,659-1,669, 1,689-1,699, 1,705-1,715 ft (505.7-508.7, 514.8-517.9, 519.7-522.7 m).

DATUM.--Land-surface datum is about 112 ft (34.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of cap, 0.50 ft (0.152 m) above land-surface datum.

PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.2 ft (43.65 m) above land-surface datum, January 1954; lowest measured, 88.5 ft (26.97 m) above land-surface datum, Oct. 12, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
APR 22	91.0

325100090250701. Local number, G6.

LOCATION.--Lat 32°51'00", long 90°25'07", Hydrologic Unit 08030206, SW¼NE¼ sec.32, T.12 N., R.2 W., 0.3 mi (0.5 km) northwest of center of Yazoo City at power plant on Bridge Street.

Owner: Yazoo City.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16-12 in (406-305 mm), depth 212 ft (64.6 m), cased to 152 ft (46.3 m).

DATUM.--Land-surface datum is about 100 ft (30.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing or top of recorder house floor, 5.60 ft (1.706 m) above land-surface datum.

PERIOD OF RECORD.--September 1940, November 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.40 ft (5.303 m) below land-surface datum, Nov. 10, 1975; lowest measured, 35.68 ft (10.875 m) below land-surface datum, Apr. 10, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 13	20.36	APR 20	20.90	JUN 9	21.11	JUL 1	32.89	AUG 21	23.06

325016090251601. Local number, G126.

LOCATION.--Lat 32°50'16", long 90°25'16", Hydrologic Unit 08030206, SW¼NE¼ sec.32, T.12 N., R.2 W., 0.3 mi (0.5 km) northwest of center of Yazoo City at power plant on Bridge Street.

Owner: Yazoo City.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 801 ft (244.1 m), cased to 761 ft (232.0 m).

DATUM.--Land-surface datum is about 96 ft (29.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 4.0 ft (1.22 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--January 1939, January 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.1 ft (9.48 m) above land-surface datum, Jan. 17, 1939; lowest measured, 37.73 ft (11.500 m) below land-surface datum, Aug. 21, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 13	32.49	APR 20	31.08	JUN 1	21.43	JUL 13	21.32	AUG 21	37.73

GROUND-WATER LEVELS

347

YAZOO COUNTY--Continued

324850090412801. Local number, J12.

LOCATION.--Lat 32°48'50", long 90°41'28", Hydrologic Unit 08030207, NE¼SE¼ sec.10, T.11 N., R.5 W., 0.9 mi (1.4 km) east of Holly Bluff.

Owner: USCE, L7Y1.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in (102 mm), depth 59 ft (18.0 m).

DATUM.--Land-surface datum is about 100 ft (30.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.02 ft (0.921 m) above land-surface datum.

REMARKS.--Water levels affected by river stage.

PERIOD OF RECORD.--November 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.06 ft (2.761 m) below land-surface datum, Apr. 28, 1980; lowest measured, 21.58 ft (6.577 m) below land-surface datum, Sept. 14, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 6	18.05	JAN 6	20.48	FEB 3	19.04	APR 13	20.07	JUL 3	18.34
NOV 3	19.10	JAN 18	20.51	FEB 11	20.02	MAY 5	20.91	AUG 4	19.81
DEC 5	19.40	JAN 30	20.64	FEB 25	20.59	JUN 4	18.34	SEP 14	21.58

324615090375001. Local number, J13.

LOCATION.--Lat 32°46'15", long 90°37'50", Hydrologic Unit 08030207, SE¼NW¼ sec.19, T.11 N., R.4 W., 5.5 mi (8.8 km) southeast of center of Holly Bluff.

Owner: USCE, L7Y2.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in (102 mm), depth 74 ft (22.6 m).

DATUM.--Land-surface datum is 98.74 ft (30.096 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.11 ft (0.948 m) above land-surface datum.

REMARKS.--Water levels affected by river stage.

PERIOD OF RECORD.--November 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.55 ft (2.606 m) below land-surface datum, May 3, 1980; lowest measured, 24.81 ft (7.562 m) above land-surface datum, Sept. 30, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 6	18.97	JAN 6	20.48	FEB 3	20.11	MAY 5	21.39	AUG 4	22.01
NOV 3	19.04	JAN 18	20.83	FEB 11	19.11	JUN 4	18.98	SEP 14	22.11
DEC 5	18.79	JAN 30	20.77	APR 13	19.99	JUL 3	20.46		

324936090423001. Local number, J128.

LOCATION.--Lat 32°49'36", long 90°42'30", Hydrologic Unit 08030207, NE¼SE¼ sec.4, T.11 N., R.5 W., 0.2 mi (0.3 km) north of center of Holly Bluff at Holly Bluff School.

Owner: Holly Bluff Consolidated School.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled school-supply artesian well, diameter 4 in (102 mm), depth 980 ft (298.7 m), cased to 940 ft (286.5 m).

DATUM.--Land-surface datum is about 103 ft (31.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of tee, 3.00 ft (0.914 m) above land-surface datum.

PERIOD OF RECORD.--August 1939, March 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.7 ft (11.80 m) above land-surface datum, Aug. 17, 1939; lowest measured, 20.08 ft (6.120 m) below land-surface datum, Sept. 21, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	17.09	MAR 17	17.14	APR 22	17.77	SEP 21	20.08

GROUND-WATER LEVELS

YAZOO COUNTY--Continued

324419090351201. Local number, P18.

LOCATION.--Lat 32°44'19", long 90°35'12", Hydrologic Unit 08030207, SW¼SW¼ sec.2, T.10 N., R.4 W., 5 mi (8 km) northwest of Sattartia.

Owner: USCE, L7Y3.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water table well, diameter 4 in (102 mm), depth 53 ft (16.2 m).

DATUM.--Land-surface datum is 101.59 ft (30.964 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.94 ft (0.900 m) above land-surface datum.

REMARKS.--Water level affected by river stage.

PERIOD OF RECORD.--November 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.72 ft (4.791 m) below land-surface datum, May 7, 1980; lowest measured, 26.56 ft (8.095 m) below land-surface datum, Sept. 28, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 6	20.41	JAN 18	21.88	FEB 3	21.86	MAY 5	22.41	SEP 14	23.55
NOV 3	20.63	JAN 30	21.97	FEB 11	21.76	JUN 4	22.09		
DEC 5	20.79	FEB 2	21.94	APR 13	21.93	JUL 4	23.05		

324354090325501. Local number, Q13.

LOCATION.--Lat 32°43'54", long 90°32'55", Hydrologic Unit 08030206, center NW¼ sec.7, T.10 N., R.3 W., 4 mi (6 km) north of Sattartia.

Owner: John Reaster.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in (406 mm), depth 93 ft (28.3 m).

DATUM.--Land-surface datum is about 95 ft (28.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.88 ft (0.268 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--August 1969, May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13 ft (3.9 mm) below land-surface datum, Aug. 1, 1969; lowest measured, 26.75 ft (8.153 m) below land-surface datum, Sept. 16, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5								---			---	26.42
10								---			---	24.55
15								25.19			---	26.61
20								24.76			24.89	22.50
25								---			24.60	22.23
EOM								---			23.83	---

TISHOMINGO COUNTY

344616088211801. Local number D50. (USCE 11C)

LOCATION.--Lat 34°46'16", long 88°21'18", Hydrologic Unit 06030005, SW¼SE¼ sec.33, T.3 S., R.9 E., 5.5 mi (8.9 km) southwest of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 404 ft (123.1 m).

DATUM.--Land-surface datum is about 505 ft (153.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.6 ft (0.79 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 97.65 ft (29.764 m) below land-surface datum, Mar. 9, 1976; lowest measured, 108.35 ft (33.025 m) below land-surface datum, Aug. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	106.42	FEB 13	107.04	MAY 19	106.89	AUG 12	108.35

344617088211901. Local number D51. (USCE 11D)

LOCATION.--Lat 34°46'17", long 88°21'19", Hydrologic Unit 06030005, SW¼SE¼ sec.33, T.3 S., R.9 E., 5.5 mi (8.9 km) southwest of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 210 ft (64 m). Cased to 200 ft (61.0 m).

DATUM.--Land-surface datum is about 505 ft (153.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.4 ft (0.73 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.02 ft (0.616 m) below land-surface datum, Mar. 9, 1976; lowest measured, 90.67 ft (27.636 m) below land-surface datum, Aug. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	69.72	FEB 13	70.44	MAY 19	71.24	AUG 12	90.67

344638088200102. Local number D40. (USCE 12A)

LOCATION.--Lat 34°46'38", long 88°20'01", Hydrologic Unit 06030005, SE¼NE¼ sec.34, T.3 S., R.9 E., 4.5 mi (7.2 km) southwest of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 190 ft (57.9 m).

DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--March 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 21.98 ft (6.700 m) below land-surface datum, Mar. 22, 1973; lowest measured, 78.71 ft (23.991 m) below land-surface datum, Aug. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	40.39	FEB 13	41.79	MAY 19	47.77	AUG 12	78.71

344638088200103. Local number D41. (USCE 12B)

LOCATION.--Lat 34°46'38", long 88°20'01", Hydrologic Unit 06030005, SE¼NE¼ sec.34, T.3 S., R.9 E., 4.5 mi (7.2 km) southwest of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 150 ft (45.7 m).

DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--March 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 22.29 ft (6.794 m) below land-surface datum, Mar. 22, 1973; lowest measured, 61.24 ft (18.666 m) below land-surface datum, Aug. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	38.12	FEB 13	37.94	May 19	41.32	AUG 12	61.24

TISHOMINGO COUNTY--Continued

344638088200104. Local number D42. (USCE 12C)

LOCATION.--Lat 34°46'38", long 88°20'01", Hydrologic Unit 06030005, SE¼NE¼ sec.34, T.3 S., R.9 E., 4.5 mi (7.2 km) southwest of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 88 ft (26.8 m), cased to 78 ft (23.8 m).

DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.8 ft (0.55 m) above land-surface datum.

PERIOD OF RECORD.--March 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 22.39 ft (6.825 m) below land-surface datum, Mar. 22, 1973; lowest recorded, 48.84 ft (14.886 m) below land-surface datum, Sept. 8, 9, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5		---	34.57	35.87	35.60	35.60	36.25	36.77	38.54	44.93	46.92	48.80
10		36.16	34.80	35.94	35.23	35.75	36.36	36.87	39.21	45.34	47.59	48.83
15		35.95	35.16	35.97	35.25	35.87	36.51	36.97	40.66	45.69	47.96	48.71
20		35.56	35.56	36.03	35.24	35.98	36.65	37.13	42.14	45.78	48.28	48.52
25		35.16	35.70	35.97	35.38	36.06	36.62	38.04	43.23	46.29	48.64	48.21
EOM		34.75	35.70	35.99	35.49	36.12	36.67	38.70	44.04	46.42	48.83	48.08

344643088182102. Local number D37. (USCE 14A)

LOCATION.--Lat 34°46'43", long 88°18'21", Hydrologic Unit 06030005, SE¼NW¼ sec.36, T.3 S., R.9 E., 4 mi (6 km) south of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 184 ft (56.0 m).

DATUM.--Land-surface datum is about 545 ft (166.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--March 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 67.59 ft (20.601 m) below land-surface datum, Apr. 25, 1973; lowest measured, 78.52 ft (23.933 m) below land-surface datum, May 19, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	76.36	FEB 13	75.78	MAY 19	78.52

344643088182103. Local number D43. (USCE 14B)

LOCATION.--Lat 34°46'43", long 88°18'21", Hydrologic Unit 06030005, SE¼NW¼ sec.36, T.3 S., R.9 E., 4 mi (6 km) south of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 154 ft (46.9 m).

DATUM.--Land-surface datum is about 545 ft (166.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.4 ft (0.12 m) above land-surface datum.

PERIOD OF RECORD.--March 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 67.51 ft (20.577 m) below land-surface datum, Apr. 25, 1973; lowest measured, 78.00 ft (23.774 m) below land-surface datum, Jan. 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	74.30	FEB 2	73.70	MAY 19	74.38	AUG 12	77.74

344643088182104. Local number D44. (USCE 14C)

LOCATION.--Lat 34°46'43", long 88°18'21", Hydrologic Unit 06030005, SE¼NW¼ sec.36, T.3 S., R.9 E., 4 mi (6 km) south of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 106 ft (32.3 m), cased to 100 ft (30.5 m).

DATUM.--Land-surface datum is about 545 ft (166.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.2 ft (0.37 m) above land-surface datum.

PERIOD OF RECORD.--March 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.63 ft (20.004 m) below land-surface datum, Apr. 25, 1973; lowest measured, 73.65 ft (22.449 m) below land-surface datum, Aug. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	71.57	FEB 13	70.87	MAY 19	70.93	AUG 12	73.65

TISHOMINGO COUNTY--Continued

344634088173201. Local number E14. (USCE 15A)

LOCATION.--Lat 34°46'34", long 88°17'32", Hydrologic Unit 06030005, NW¼SW¼ sec.31, T.3 S., R.10 E., 4.2 mi (6.8 km) southeast of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 340 ft (103.6 m), cased to 320 ft (97.5 m).

DATUM.--Land-surface datum is about 540 ft (164.6 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of casing, 0.4 ft (0.12 m) above land-surface datum.

PERIOD OF RECORD.--March 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 77.19 ft (23.518 m) below land-surface datum, Apr. 25, 1973; lowest measured, 89.10 ft (27.158 m) below land-surface datum, Aug. 29, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	88.77	FEB 13	87.94	MAY 19	86.89	AUG 12	88.78

344634088173202. Local number E15. (USCE 15B)

LOCATION.--Lat 34°46'34", long 88°17'32", Hydrologic Unit 06030005, NW¼SW¼ sec.31, T.3 S., R.10 E., 4.2 mi (6.8 km) southeast of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 204 ft (62.2 m), cased to 184 ft (56.1 m).

DATUM.--Land-surface datum is about 540 ft (164.6 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of casing, 1.2 ft (0.37 m) above land-surface datum.

PERIOD OF RECORD.--March 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.08 ft (15.569 m) below land-surface datum, Mar. 2, 1972; lowest measured, 60.17 ft (18.340 m) below land-surface datum, Aug. 12, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	57.50	FEB 13	56.94	MAY 19	57.85	AUG 12	60.17

344634088173203. Local number E16. (USCE 15C)

LOCATION.--Lat 34°46'34", long 88°17'32", Hydrologic Unit 06030005, NW¼SW¼ sec.31, T.3 S., R.10 E., 4.2 mi (6.8 km) southeast of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 130 ft (39.6 m), cased to 120 ft (36.6 m).

DATUM.--Land-surface datum is about 540 ft (164.6 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of recorder house floor, 1.2 ft (0.37 m) above land-surface datum.

PERIOD OF RECORD.--March 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.66 ft (13.917 m) below land-surface datum, Mar. 30, 1976; lowest recorded, 53.65 ft (16.353 m) below land-surface datum, Sept. 24-30, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	50.99	51.09	50.33	50.46	50.30	50.70	51.25	51.47	51.64	53.03	53.31	53.53
10	51.11	50.93	50.29	50.48	50.17	50.98	51.31	51.50	51.65	53.14	53.39	53.57
15	51.32	50.89	50.31	50.46	50.37	51.04	51.45	51.54	51.95	53.18	53.47	53.59
20	51.43	50.64	50.39	50.51	50.36	51.00	51.44	51.50	52.28	53.22	53.45	53.64
25	51.51	50.52	50.40	50.36	50.54	51.13	51.35	51.59	52.68	53.27	53.53	53.65
EQM	51.27	50.34	50.36	50.43	50.66	51.12	51.39	51.64	52.97	53.28	53.56	53.65

TISHOMINGO COUNTY--Continued

344155088194801. Local number G4. (USCE 21A)

LOCATION.--Lat 34°41'55", long 88°19'48", Hydrologic Unit 06030005, SW¼SW¼ sec.26, T.4 S., R.9 E., 2.2 mi (3.5 km) southwest of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 278 ft (84.7 m), cased to 268 ft (81.7 m).

DATUM.--Land-surface datum is about 585 ft (178.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.75 ft (0.229 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 123.95 ft (37.780 m) below land-surface datum, Apr. 25, 1973; lowest measured, 149.15 ft (45.461 m) below land-surface datum, Jan. 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	141.63	FEB 13	129.68	MAY 19	141.24	AUG 12	128.71

344155088194802. Local number G5. (USCE 21B)

LOCATION.--Lat 34°41'55", long 88°19'48", Hydrologic Unit 06030005, SW¼SW¼ sec.26, T.4 S., R.9 E., 2.2 mi (3.5 km) southwest of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 235 ft (71.6 m).

DATUM.--Land-surface datum is about 585 ft (178.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 119.28 ft (36.357 m) below land-surface datum, Dec. 19, 1979; lowest measured, 138.50 ft (42.215 m) below land-surface datum, Jan. 31, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	135.06	FEB 13	132.62	MAY 19	127.10	AUG 12	121.73

344218088184301. Local number G38. (USCE 22A)

LOCATION.--Lat 34°42'18", long 88°18'43", Hydrologic Unit 03160101, SW¼NW¼ sec.25, T.4 S., R.9 E., 2 mi (3 km) south of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 360 ft (109.7 m), cased to 320 ft (97.5 m).

DATUM.--Land-surface datum is about 625 ft (190.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.6 ft (0.18 m) above land-surface datum.

PERIOD OF RECORD.--February 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 151.12 ft (46.061 m) below land-surface datum, Mar. 9, 1976; lowest measured, 189.66 ft (57.808 m) below land-surface datum, Aug. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	186.66	FEB 13	185.80	MAY 19	188.92	AUG 12	189.66

344218088184302. Local number G40. (USCE 22B)

LOCATION.--Lat 34°42'18", long 88°18'43", Hydrologic Unit 03160101, NW¼SW¼ sec.25, T.4 S., R.9 E., 2.0 mi (3.2 km) south of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 240 ft (73.2 m), cased to 230 ft (70.1 m).

DATUM.--Land-surface datum is about 625 ft (190.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.9 ft (0.27 m) above land-surface datum.

PERIOD OF RECORD.--February 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 142.33 ft (43.382 m) below land-surface datum, Mar. 9, 1976; lowest measured 174.26 ft (53.114 m) below land-surface datum, Aug. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	169.90	FEB 13	170.55	MAY 19	173.01	AUG 12	174.26

TISHOMINGO COUNTY--Continued

344230088173401. Local number G20. (USCE 23C)

LOCATION.--Lat 34°43'30", long 88°17'34", Hydrologic Unit 03060101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 330 ft (100.6 m), cased to 230 ft (70.1 m).

DATUM.--Land-surface datum is about 588 ft (179.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.1 ft (0.64 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.27 ft (25.686 m) below land-surface datum, Apr. 25, 1973; lowest measured, 186.30 ft (56.784 m) below land-surface datum, Aug. 29, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	194.16	FEB 15	184.40	MAY 13	195.80	AUG 12	190.09

344231088173401. Local number G34. (USCE 23E)

LOCATION.--Lat 34°42'31", long 88°17'34", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.9 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 92 ft (28.0 m), cased to 87 ft (26.5 m).

DATUM.--Land-surface datum is about 585 ft (178.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.3 ft (0.70 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63.84 ft (19.458 m) below land-surface datum, June 9, 1976; lowest measured, 80.77 ft (24.619 m) below land-surface datum, October 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	76.44	FEB 15	77.28	MAY 13	77.80	AUG 12	78.10

344228088173901. Local number G23. (USCE 23G)

LOCATION.--Lat 34°42'28", long 88°17'39", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 260 ft (79.2 m), cased to 240 ft (73.2 m).

DATUM.--Land-surface datum is about 601 ft (183.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.6 ft (0.18 m) above land-surface datum.

PERIOD OF RECORD.--January 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 96.63 ft (29.453 m) below land-surface datum, Apr. 25, 1973; lowest measured, 197.24 ft (60.119 m) below land-surface datum, May 13, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	194.53	FEB 15	187.85	MAY 13	197.24	AUG 12	192.80

344232088173201. Local number G27. (USCE 23I)

LOCATION.--Lat 34°42'32", long 88°17'32", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 492 ft (150.0 m), cased to 452 ft (137.8 m).

DATUM.--Land-surface datum is about 587 ft (178.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

PERIOD OF RECORD.--April 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 177.54 ft (54.114 m) below land-surface datum, Apr. 25, 1973; lowest measured, 191.44 ft (58.351 m) below land-surface datum, Aug. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	190.14	FEB 15	190.52	MAY 13	190.45	AUG 12	191.44

TISHOMINGO COUNTY--Continued

344232088173202. Local number G31. (USCE 23J)

LOCATION.--Lat 34°42'32", long 88°17'32", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 380 ft (115.8 m), cased to 360 ft (109.7 m).

DATUM.--Land-surface datum is about 587 ft (178.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.2 ft (0.06 m) above land-surface datum.

PERIOD OF RECORD.--December 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.78 ft (24.927 m) below land-surface datum, Apr. 25, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	186.82	FEB 15	180.06

NOTE: Water level reported to be below obstruction at 190 ft since May 13.

344234088153401. Local number G30. (USCE 23K)

LOCATION.--Lat 34°42'34", long 88°15'34", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (203 mm), depth 300 ft (91.4 m), cased to 200 ft (61 m).

DATUM.--Land-surface datum is about 559 ft (170.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.5 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--November 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.05 ft (16.170 m) below land-surface datum, Apr. 25, 1973; lowest measured, 167.78 ft (51.139 m) below land-surface datum, May 13, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	163.78	FEB 15	152.85	MAY 13	167.78	AUG 12	159.08

344228088173902. Local number G41. (USCE 23N)

LOCATION.--Lat 34°42'28", long 88°17'39", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 200 ft (61.0 m), cased to 180 ft (54.9 m).

DATUM.--Land-surface datum is about 600 ft (182.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.8 ft (0.24 m) above land-surface datum.

PERIOD OF RECORD.--May 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 97.13 ft (29.605 m) below land-surface datum, July 31, 1973; lowest measured, 158.49 ft (48.308 m) below land-surface datum, Aug. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	149.56	FEB 15	153.75	MAY 13	156.30	AUG 12	158.49		

344228088173903. Local number G42. (USCE 23Ø)

LOCATION.--Lat 34°42'28", long 88°17'39", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 60 ft (18.3 m), cased to 50 ft (15.2 m).

DATUM.--Land-surface datum is about 561 ft (171.0 m), National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.1 ft (0.64 m) above land-surface datum.

PERIOD OF RECORD.--March 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.13 ft (12.536 m) below land-surface datum, Dec. 4, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL
DEC 20	55.10

NOTE: Well reported dry since Feb. 15.

TISHOMINGO COUNTY--Continued

344253088162802. Local number G15. (USCE 25A)

LOCATION.--Lat 34°42'53", long 88°16'28", Hydrologic Unit 06030006, NW¼SW¼ sec.20, T.4 S., R.10 E., 1.8 mi (2.9 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 235 ft (71.6 m), cased to 230 ft (70.1 m).

DATUM.--Land-surface datum is about 610 ft (185.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.12 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.37 ft (28.154 m) below land-surface datum, June 25, 1975; lowest measured, 123.86 ft (37.753 m) below land-surface datum, Aug. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	123.19	FEB 13	122.95	MAY 13	122.84	AUG 12	123.86

344253088162803. Local number G16. (USCE 25B)

LOCATION.--Lat 34°42'53", long 88°16'28", Hydrologic Unit 06030006, NW¼SW¼ sec.20, T.4 S., R.10 E., 1.8 mi (2.9 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 200 ft (61.0 m), cased to 190 ft (57.9 m).

DATUM.--Land-surface datum is about 610 ft (185.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.12 m) above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.87 ft (27.392 m) below land-surface datum, July 13, 1973; lowest measured, 107.25 ft (32.690 m) below land-surface datum, Aug. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	103.09	FEB 13	104.65	MAY 13	105.49	AUG 12	107.25

344302088153802. Local number G17. (USCE 26A)

LOCATION.--Lat 34°43'02", long 88°15'38", Hydrologic Unit 06030006, NE¼SE¼ sec.20, T.4 S., R.10 E., 2.5 mi (4.0 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 250 ft (76.2 m), cased to 210 ft (64 m).

DATUM.--Land-surface datum is about 565 ft (172.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.4 ft (0.73 m) above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.60 ft (12.071 m) below land-surface datum, Mar. 4, 1976; lowest measured, 58.50 ft (17.831 m) below land-surface datum, Aug. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	56.95	FEB 13	56.71	MAY 20	57.50	AUG 12	58.50

344302088153803. Local number G18. (USCE 26B)

LOCATION.--Lat 34°43'02", long 88°15'38", Hydrologic Unit 06030006, NE¼SE¼ sec.20, T.4 S., R.10 E., 2.5 mi (4.0 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 127 ft (38.7 m), cased to 122 ft (37.2 m).

DATUM.--Land-surface datum is about 565 ft (172.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.12 m) above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.00 ft (11.887 m) below land-surface datum, Mar. 12, 1980; lowest measured 46.03 ft (14.030 m) below land-surface datum, Aug. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	43.92	FEB 13	44.15	MAY 20	44.79	AUG 12	46.03

TISHOMINGO COUNTY--Continued

344302088153804. Local number G19. (USCE 26C)

LOCATION.--Lat 34°43'02", long 88°15'38", Hydrologic Unit 06030006, NE¼SE¼ sec.20, T.4 S., R.10 E., 2.5 mi (4.0 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 72 ft (21.9 m), cased to 67 ft (20.4 m).

DATUM.--Land-surface datum is about 565 ft (172.2 m) National Geodetic Vertical Datum of 1929. Measuring Point: Top of casing 0.5 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.21 ft (10.732 m) below land-surface datum, Apr. 25, 1973; lowest measured, 44.56 ft (13.582 m) below land-surface datum, Aug. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	42.20	FEB 13	42.45	MAY 20	43.08	AUG 12	44.56

344017088180402. Local number J18. (USCE 31A)

LOCATION.--Lat 34°40'17", long 88°18'04", Hydrologic Unit 03160101, SW¼SE¼ sec.10, T.5 S., R.9 E., 2.0 mi (3.2 km) northwest of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 178 ft (54.3 m), cased to 158 ft (48.2 m).

DATUM.--Land-surface datum is about 473 ft (144.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.2 ft (0.06 m) above land-surface datum.

PERIOD OF RECORD.--March 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.85 ft (5.136 m) below land-surface datum, May 23, 1974; lowest measured 44.18 ft (13.466 m) below land-surface datum, Jan. 25, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	36.19	FEB 13	36.49	MAY 19	36.93	AUG 12	38.27

344017088180403. Local number J19. (USCE 31B)

LOCATION.--Lat 34°40'17", long 88°18'04", Hydrologic Unit 03160101, SW¼SE¼ sec.10, T.5 S., R.9 E., 2.0 mi (3.2 km) northwest of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 74 ft (22.6 m), cased to 64 ft (19.5 m).

DATUM.--Land-surface datum is about 473 ft (144.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.6 ft (0.49 m) above land-surface datum.

PERIOD OF RECORD.--March 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.80 ft (1.768 m) below land-surface datum, May 20, 1975; lowest recorded, 11.85 ft (3.612 m) below land-surface datum, Sept. 28, 29, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.98	---	10.05	10.36	---	9.98	---	---	10.74	11.00	11.38	11.59
10	9.91	10.24	10.09	10.38	---	10.16	---	---	10.74	11.09	11.47	11.65
15	10.01	10.18	10.09	---	10.15	10.11	---	---	10.82	11.12	11.44	11.65
20	10.08	10.11	10.31	---	9.92	10.08	---	10.62	10.83	11.19	11.45	11.73
25	---	10.11	10.27	---	10.08	10.20	---	10.66	10.97	11.28	11.53	11.83
EOM	---	10.00	10.17	---	10.11	10.03	---	10.70	11.05	11.35	11.54	11.83

344041088172602. Local number J20. (USCE 32A)

LOCATION.--Lat 34°40'41", long 88°17'26", Hydrologic Unit 03160101, NW¼NW¼ sec.6, T.5 S., R.10 E., 1.9 mi (3.1 km) northwest of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 240 ft (73.2 m), cased to 230 ft (70.1 m).

DATUM.--Land-surface datum is about 530 ft (161.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.3 ft (0.40 m) above land-surface datum.

PERIOD OF RECORD.--March 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.90 ft (19.172 m) below land-surface datum, June 9, 1976; lowest measured, 106.69 ft (32.519 m) below land-surface datum, Oct. 25, 1978 (revised).

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	90.88	FEB 13	91.26	MAY 19	91.25	AUG 12	92.06

TISHOMINGO COUNTY--Continued

344041088172603. Local number J21. (USCE 32B)

LOCATION.--Lat 34°40'41", long 88°17'26", Hydrologic Unit 03160101, NW¼NW¼ sec.6, T.5 S., R.10 E., 1.9 mi (3.1 km) northwest of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 112 ft (34.1 m), cased to 102 ft (31.1 m).

DATUM.--Land-surface datum is about 530 ft (161.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.6 ft (0.18 m) above land-surface datum.

PERIOD OF RECORD.--March 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.33 ft (18.693 m) below land-surface datum, Apr. 26, 1973; lowest measured, 74.73 ft (22.778 m) below land-surface datum, Aug. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	73.40	FEB 13	74.37	MAY 19	74.19	AUG 12	74.73

344041088164401. Local number J8. (USCE 33A)

LOCATION.--Lat 34°40'41", long 88°16'44", Hydrologic Unit 03160101, SE¼NE¼ sec.6, T.5 S., R.9 E., 1.3 mi (2.1 km) southwest of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 172 ft (52.4 m), cased to 162 ft (49.4 m).

DATUM.--Land-surface datum is about 515 ft (157.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.5 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.54 ft (14.185 m) below land-surface datum, May 23, 1974; lowest measured, 74.63 ft (22.747 m) below land-surface datum, Aug. 3, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	66.45	FEB 13	67.68	MAY 13	67.66	AUG 13	68.18

344041088164402. Local number J16. (USCE 33B)

LOCATION.--Lat 34°40'41", long 88°16'44", Hydrologic Unit 03160101, SE¼NE¼ sec.6, T.5 S., R.9 E., 1.3 mi (2.1 km) northwest of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 90 ft (27.4 m), cased to 85 ft (25.9 m).

DATUM.--Land-surface datum is about 515 ft (157.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.3 ft (0.09 m) above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.93 ft (15.219 m) below land-surface datum, May 23, 1974; lowest measured, 59.59 ft (18.163 m) below land-surface datum, Aug. 13, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	58.03	FEB 13	58.72	MAY 13	59.08	AUG 13	59.59

344041088164403. Local number J17. (USCE 33C)

LOCATION.--Lat 34°40'41", long 88°16'44", Hydrologic Unit 03160101, SE¼NE¼ sec.6, T.5 S., R.9 E., 1.3 mi (2.1 km) northwest of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 212 ft (64.6 m), cased to 192 ft (58.5 m).

DATUM.--Land-surface datum is about 515 ft (157.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.5 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level measured, 42.20 ft (12.863 m) below land-surface datum, Apr. 9, 1974; lowest measured, 91.80 ft (27.981 m) below land-surface datum, Nov. 6, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 13	72.22	MAY 13	71.68	AUG 13	72.11

TISHOMINGO COUNTY--Continued

344053088161202. Local number J13. (USCE 34A)

LOCATION.--Lat 34°40'53", long 88°16'12", Hydrologic Unit 03160101, NE¼NW¼ sec.5, T.5 S., R.10 E., 1.8 mi (2.9 km) north of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 266 ft (81.1 m), cased to 256 ft (78.0 m).

DATUM.--Land-surface datum is about 560 ft (170.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.0 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.17 ft (25.045 m) below land-surface datum, Mar. 13, 1974; lowest recorded, 117.63 ft (35.854 m) below land-surface datum, Aug. 5, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	108.13	107.94	107.60	107.53			---	107.90	107.98	108.07	107.87
10	---	108.10	107.94	107.56	107.52			---	107.90	108.05	108.05	107.98
15	---	107.96	107.94	107.55	---			---	107.98	108.07	107.97	108.14
20	---	107.94	107.67	107.54	---			107.86	107.95	108.10	107.87	108.43
25	---	107.94	107.63	107.54	---			107.86	108.05	108.17	107.97	108.80
EOM	108.14	107.94	107.62	107.54	---			107.86	108.12	108.18	107.89	109.04

344053088161203. Local number J14. (USCE 34B)

LOCATION.--Lat 34°40'53", long 88°16'12", Hydrologic Unit 03160101, NE¼NW¼ sec.5, T.5 S., R.10 E., 1.8 mi (2.9 km) north of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 cm), depth 134 ft (40.8 m), cased to 129 ft (39.3 m).

DATUM.--Land-surface datum is about 560 ft (170.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.65 ft (0.50 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.67 ft (21.235 m) below land-surface datum, May 23, 1974; lowest recorded, 75.79 ft (23.101 m) below land-surface datum, Sept. 28, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5		72.20			---			---	74.25	74.65	---	75.50
10		---			---			---	74.22	74.76		75.56
15		---			73.40			---	74.55	---	75.22	75.59
20		---			---			74.35	74.54	---	75.30	75.57
25		---			---			74.40	74.65	---	75.37	75.72
EOM		---			---			74.35	74.70	---	75.40	75.74

344053088161204. Local number J15. (USCE 34C)

LOCATION.--Lat 34°40'53", long 88°16'12", Hydrologic Unit 03160101, NE¼NW¼ sec.5, T.5 S., R.10 E., 1.8 mi (2.9 km) north of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 100 ft (30.5 m), cased to 95 ft (29.0 m).

DATUM.--Land-surface datum is about 560 ft (170.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.2 ft (0.06 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.42 ft (21.159 m) below land-surface datum, June 20, 1974; lowest measured, 75.22 ft (22.927 m) below land-surface datum, Oct. 17, 1972.

Obstruction. No measurement made since May 27, 1980.

TISHOMINGO COUNTY--Continued

344110088151002. Local number G13. (USCE 35A)
 LOCATION.--Lat 34°41'10", long 88°15'10", Hydrologic Unit 03160101, NE¼SW¼ sec.33, T.4 S., R.10 E., 2.0 mi (3.2 km) northeast of Paden.
 Owner: U.S. Army, Corps of Engineers.
 AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 300 ft (91.4 m), cased to 260 ft (79.2 m).
 DATUM.--Land-surface datum is about 600 ft (182.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.3 ft (0.09 m) above land-surface datum.
 PERIOD OF RECORD.--July 1971 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 106.68 ft (32.516 m) below land-surface datum, May 23, 1974; lowest measured, 130.29 ft (39.712 m) below land-surface datum, May 5, 1979.
 Obstruction. No measurement made since Aug. 28, 1980.

344110088151003. Local number G14. (USCE 35B)
 LOCATION.--Lat 34°41'10", long 88°15'10", Hydrologic Unit 03160101, NE¼SW¼ sec.33, T.4 S., R.10 E., 2.0 mi (3.2 km) northeast of Paden.
 Owner: U.S. Army, Corps of Engineers.
 AQUIFER.--Sands of Eutaw of Late Cretaceous age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 203 ft (61.9 m), cased to 198 ft (60.4 m).
 DATUM.--Land-surface datum is about 600 ft (182.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.5 ft (0.15 m) above land-surface datum.
 PERIOD OF RECORD.--July 1971 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.22 ft (29.938 m) below land-surface datum, Mar. 6, 1976; lowest measured, 101.97 ft (31.081 m) below land-surface datum, Nov. 3, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	99.69	FEB 13	100.58	MAY 13	100.50	AUG 12	101.00

343936088161901. Local number J10.
 LOCATION.--Lat 34°39'36", long 88°16'19", Hydrologic Unit 03160101, NW¼SE¼ sec.8, T.5 S., R.10 E., in Paden.
 Owner: Irwin Schwabe Co. (Formerly Paden Water District)
 AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (254 mm), depth 181 ft (55.2 m), cased to 165 ft (51.5 m).
 DATUM.--Land-surface datum is about 420 ft (128.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.69 ft (0.515 m) above land-surface datum.
 PERIOD OF RECORD.--July 1971 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.2 ft (5.852 m) above land-surface datum, Mar. 13, 1974; lowest measured, 2.30 ft (0.701 m) below land-surface datum, Aug. 12, 1981.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	1.02	FEB 12	1.21	MAY 13	1.95	AUG 12	2.30

343150088183703. Local number L32. (USCE 45B)
 LOCATION.--Lat 34°31'50", long 88°18'37", Hydrologic Unit 03160101, SW¼NW¼ sec.25, T.6 S., R.9 E., 8.5 mi (13.7 km) southwest of Tishomingo.
 Owner: U.S. Army, Corps of Engineers.
 AQUIFER.--McShan Sand member of Eutaw of Late Cretaceous age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 76 ft (23.2 m), cased to 66 ft (20.1 m).
 DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.12 m) above land-surface datum.
 PERIOD OF RECORD.--May 1972 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.40 ft (15.972 m) below land-surface datum, Jan. 25, 1979; lowest measured, 56.26 ft (17.148 m) below land-surface datum, Oct. 17, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	54.25	FEB 14	55.00	MAY 20	55.45	AUG 11	56.14

TISHOMINGO COUNTY--Continued

342854088194101. Local number L29. (USCE 54A)

LOCATION.--Lat 34°28'54", long 88°19'41", Hydrologic Unit 03160101, SW¼SW¼ sec.11, T.7 S., R.9 E., 15.8 mi (25.4 km) southeast of Baldwyn.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 27 ft (8.2 m), cased to 22 ft (6.7 m).

DATUM.--Land-surface datum is about 332 ft (101.2 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of recorder house floor, 1.9 ft (0.58 m) above land-surface datum.

PERIOD OF RECORD.--May 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.35 ft (0.107 m) above land-surface datum, Apr. 25, 1973; lowest recorded, 9.60 ft (2.926 m) below land-surface datum, Sept. 30, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.07	8.06	6.05	6.09	2.10	3.39	1.77	5.07	6.39	7.60	8.57	9.24
10	8.13	7.99	5.95	6.13	2.69	3.48	2.68	5.43	6.58	7.78	8.73	9.30
15	8.22	7.89	5.89	6.18	3.13	3.87	3.46	5.87	6.73	7.96	8.88	9.36
20	8.27	7.20	5.95	6.22	3.22	4.10	3.94	6.07	6.93	8.16	9.00	9.43
25	8.31	6.80	5.98	6.13	3.66	3.91	4.23	6.32	7.16	8.34	9.09	9.51
EOM	8.14	6.31	5.99	6.11	3.89	1.14	4.67	6.28	7.38	8.55	9.21	9.60

342854088194702. Local number L33. (USCE 54B)

LOCATION.--Lat 34°28'54", long 88°19'47", Hydrologic Unit 03160101, SW¼SE¼ sec.11, T.7 S., R.9 E., 15.8 mi (25.4 km) southeast of Baldwyn.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 12 ft (3.7 m).

DATUM.--Land-surface datum is about 332 ft (101.2 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of casing 0.3 ft (0.09 m) above land-surface datum.

PERIOD OF RECORD.--May 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.20 ft (0.061 m) above land-surface datum, Apr. 25, 1973; lowest measured, 8.86 ft (2.701 m) below land-surface datum, Aug. 4, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	8.27	FEB 14	2.44	MAY 13	5.77	AUG 4	8.86

342854088194103. Local number L34. (USCE 54C)

LOCATION.--Lat 34°28'40", long 88°19'41", Hydrologic Unit 03160101, SW¼SW¼ sec.11, T.7 S., R.9 E., 8.1 mi (13.0 km) west of Golden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (51 mm), depth 13 ft (4.0 m), cased to 8 ft (2.4 m).

DATUM.--Land-surface datum is about 333 ft (101.5 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of casing 1.4 ft (0.43 m) above land-surface datum.

PERIOD OF RECORD.--June 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.62 ft (0.189 m) below land-surface datum, Mar. 9, 1976; lowest measured, 9.25 ft (2.819 m) below land-surface datum, Aug. 4, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	8.20	FEB 14	2.75	MAY 13	5.80	AUG 4	9.25

TISHOMINGO COUNTY--Continued

342844088184701. Local number L30. (USCE 55A)

LOCATION.--Lat 34°23'44", long 83°13'47", Hydrologic Unit 03160101, SE¼SE¼ sec.11, T.7 S., R.9 E., 7 mi (11 km) west of Golden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 50 ft (15.2 m), cased to 45 ft (13.7 m).

DATUM.--Land-surface datum is about 380 ft (115.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.3 ft (0.40 m) above land-surface datum.

PERIOD OF RECORD.--May 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest year level measured, 20.08 ft (6.120 m) below land-surface datum, Jan. 8-13, 1976; lowest recorded, 22.89 ft (6.977 m) below land-surface datum, Aug. 13, 14, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.39	22.11	21.75	21.92	21.43			---			22.77	
10	22.30	22.24	21.76	21.87	21.30			21.63			22.84	
15	22.38	21.97	21.71	21.79	21.34			---			---	
20	22.37	21.84	21.95	21.70	21.16			---			---	
25	22.31	21.85	21.82	21.55	21.31			---			---	
EOM	22.16	21.67	21.72	21.76	21.31			---			---	

PRENTISS COUNTY

343152088213002. Local number M21. (USCE 41A)

LOCATION.--Lat 34°31'52", long 88°21'30", Hydrologic Unit 03160101, SE¼NW¼ sec.28, T.6 S., R.9 E., 16 mi (26 km) east of Baldwyn.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 226 ft (68.9 m), cased to 206 ft (62.8 m).

DATUM.--Land-surface datum is about 480 ft (146.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.4 ft (0.43 m) above land-surface datum.

PERIOD OF RECORD.--May 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 134.65 ft (41.041 m) below land-surface datum, July 12, 1973; lowest recorded, 148.11 ft (45.144 m) below land-surface datum, Sept. 28-30, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	149.09	146.23	146.35	146.50	146.54				---	146.87	147.29	147.76
10	146.09	146.33	146.32	146.50	146.45				---	146.88	147.30	147.79
15	146.16	146.26	146.35	146.46	146.74				---	146.91	147.62	147.81
20	146.18	146.29	146.49	146.50	---				146.82	146.96	147.62	147.96
25	146.21	146.29	146.45	146.44	---				146.84	147.02	147.73	148.07
EOM	146.23	146.24	146.38	146.57	---				146.87	147.29	147.75	148.11

343152088213003. Local number M22. (USCE 41B)

LOCATION.--Lat 34°31'52", long 88°21'30", Hydrologic Unit 03160101, SE¼NW¼ sec.28, T.6 S., R.9 E., 16 mi (26 km) east of Baldwyn.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 176 ft (53.6 m), cased to 166 ft (50.6 m).

DATUM.--Land-surface datum is about 480 ft (146.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.7 ft (0.52 m) above land-surface datum.

PERIOD OF RECORD.--May 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 71.30 ft (21.732 m) below land-surface datum, June 19, 1980; lowest measured, 77.33 ft (23.570 m) below land-surface datum, Dec. 7, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	72.74	72.96	73.28		---				75.05	75.19	75.62	75.73
10	72.59	73.15	73.49		---				75.10	75.33	75.71	75.78
15	72.69	73.10	---		74.04				75.15	75.35	75.58	75.81
20	72.86	73.24	---		74.03				75.11	75.43	75.66	75.97
25	72.88	73.35	---		---				75.26	75.55	75.71	76.01
EOM	72.99	73.33	---		---				75.30	75.57	75.71	76.01

PRENITISS COUNTY--Continued

343150088205801. Local number M26. (USCE 42A)

LOCATION.--Lat 34°31'50", long 88°20'58", Hydrologic Unit 03160101, NE¼NE¼ sec.28, T.6 S., R.9 E., 16.3 mi (26.2 km) east of Baldwyn.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 69 ft (21.0 m), cased to 59 ft (18.0 m).

DATUM.--Land-surface datum is about 420 ft (128.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.7 ft (0.82 m).

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.09 ft (5.514 m) below land-surface datum, May 27, 1980; lowest measured, 23.76 ft (7.242 m) below land-surface datum, Aug. 11, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	21.44	FEB 14	22.18	MAY 20	22.89	AUG 11	23.76

343150088205802. Local number M27. (USCE 42B)

LOCATION.--Lat 34°31'50", long 88°20'58", Hydrologic Unit 03160101, NE¼NE¼ sec.28, T.6 S., R.9 E., 16.3 mi (26.2 km) east of Baldwyn.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 49 ft (14.9 m), cased to 39 ft (11.9 m).

DATUM.--Land-surface datum is about 420 ft (128.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.91 m).

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.38 ft (5.602 m) below land-surface datum, May 27, 1980; lowest measured, 23.83 ft (7.263 m) below land-surface datum, Aug. 11, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	21.22	FEB 14	22.16	MAY 20	22.96	AUG 11	23.83

343201088204701. Local number M23. (USCE 43A)

LOCATION.--Lat 34°32'01", long 88°20'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi (23 km) southeast of Booneville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Grodo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 170 ft (51.8 m), cased to 150 ft (45.7 m).

DATUM.--Land-surface datum is about 460 ft (140.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.7 ft (0.21 m) above land-surface datum.

PERIOD OF RECORD.--May 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 116.43 ft (35.488 m) below land-surface datum, Apr. 25, 1973; lowest measured 127.40 ft (38.832 m) below land-surface datum, Aug. 11, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	125.48	FEB 14	125.84	MAY 20	125.95	AUG 11	127.40

PRENTISS COUNTY--Continued

343201088204702. Local number M18. (USCE 43B)

LOCATION.--Lat 34°32'01", long 88°20'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi (23 km) southeast of Booneville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--McShan sand member of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 120 ft (36.6 m), cased to 110 ft (33.5 m).

DATUM.--Land-surface datum is about 460 ft (140.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.2 ft (0.37 m) above land-surface datum.

PERIOD OF RECORD.--May 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.38 ft (13.527 m) below land-surface datum, May 27, 1980; lowest measured, 52.20 ft (15.911 m) below land-surface datum, Dec. 7, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	46.69	FEB 14	48.15	MAY 20	49.25	AUG 11	50.07

343201088204703. Local number M17. (USCE 43C)

LOCATION.--Lat 34°32'01", long 88°20'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi (23 km) southeast of Booneville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 90 ft (27.4 m), cased to 85 ft (25.9 m).

DATUM.--Land-surface datum is about 445 ft (135.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.2 ft (0.37 m) above land-surface datum.

PERIOD OF RECORD.--May 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.83 ft (8.056 m) below land-surface datum, May 23, 1980; lowest measured, 34.46 ft (10.503 m) below land-surface datum, Dec. 7, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.69	29.44	29.87	30.41	30.82	31.11	31.45	31.61	31.92	32.19	32.55	32.88
10	29.66	29.60	30.02	30.51	30.72	31.08	31.41	31.64	31.97	32.27	32.62	32.94
15	29.79	29.67	29.97	30.55	30.81	31.11	31.51	31.74	32.02	32.31	32.64	32.99
20	29.94	29.71	30.22	30.45	30.86	31.20	31.47	31.79	32.05	32.35	32.70	33.03
25	29.44	29.80	30.30	30.61	30.98	31.30	31.52	31.81	32.11	32.42	32.77	33.11
EOM	29.44	29.83	30.25	30.80	30.95	31.35	31.53	31.86	32.17	32.48	32.82	33.16

343201088194701. Local number M25. (USCE 43D)

LOCATION.--Lat 34°32'01", long 88°19'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi (23 km) southeast of Booneville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 118 ft (36.0 m), cased to 108 ft (32.9 m).

DATUM.--Land-surface datum is about 460 ft (140.2 cm) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.8 ft (0.9 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.04 ft (14.033 m) below land-surface datum, July 28, 1977; lowest measured, 51.89 ft (15.816 m) below land-surface datum, Aug. 11, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	48.72	FEB 14	50.05	MAY 20	51.08	AUG 11	51.89

PRENCEISS COUNTY--Continued

342917088212701. Local number M20. (USCE 51A)

LOCATION.--Lat 34°29'17", long 88°21'27", Hydrologic Unit 03160101, SE¼NW¼ sec.9, T.7 S., R.9 E., 15.5 mi (24.9 km) southeast of Baldwyn.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 64 ft (19.5 m), cased to 59 ft (18.0 m).

DATUM.--Land-surface datum is about 356 ft (108.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--May 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.24 ft (9.217 m) below land-surface datum, Apr. 25, 1973; lowest measured, 35.22 ft (10.735 m) below land-surface datum, Aug. 11, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	33.56	FEB 14	31.48	MAY 20	32.49	AUG 11	35.22

342911088205201. Local number M19. (USCE 52A)

LOCATION.--Lat 34°29'11", long 88°20'52", Hydrologic Unit 03160101, NE¼SE¼ sec.9, T.7 S., R.9 E., 15.6 mi (25.1 km) southeast of Baldwyn.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 40 ft (12.2 m), cased to 35 ft (10.7 m).

DATUM.--Land-surface datum is about 324 ft (98.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--May 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.2 ft (0.061 m) above land-surface datum, Apr. 25, 1973; lowest measured, 8.20 ft (2.500 m) below land-surface datum, Oct. 20, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	7.24	FEB 14	4.19	MAY 20	5.79	AUG 11	8.09

342900088201601. Local number M16. (USCE 53A)

LOCATION.--Lat 34°29'00", long 88°20'16", Hydrologic Unit 03160101, NW¼SE¼ sec.10, T.7 S., R.9 E., 15.7 mi (25.3 km) southeast of Baldwyn.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 35 ft (10.7 m), cased to 30 ft (9.1 m).

DATUM.--Land-surface datum is about 332 ft (101.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.4 ft (1.04 m) above land-surface datum.

PERIOD OF RECORD.--May 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.31 ft (0.95 m) below land-surface datum, Apr. 25, 1973; lowest measured, 8.83 ft (2.691 m) below land-surface datum, Aug. 11, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	8.56	FEB 14	1.85	MAY 20	4.89	AUG 11	8.83

ITAWAMBA COUNTY

342215088275501. Local number D35. (USCE 61A)

LOCATION.--Lat 34°22'15", long 88°27'55", Hydrologic Unit 03160101, NE¼SW¼ sec.2, T.8 S., R.8 E., 7.3 mi (11.7 km) northwest of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 214 ft (65.2 m), cased to 204 ft (62.2 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 4.3 ft (1.31 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.03 ft (3.057 m) below land-surface datum, May 26, 1976; lowest measured, 30.67 ft (9.348 m) below land-surface datum, Aug. 4, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	20.06	FEB 12	20.22	MAY 13	21.73	AUG 4	30.67

ITAWAMBA COUNTY--Continued

342215088275502. Local number 034. (USCE 61B)

LOCATION.--Lat 34°22'15", long 88°27'55", Hydrologic Unit 03160101, NE¼SW¼ sec.21, T.8 S., R.8 E., 7.3 mi (11.7 km) northwest of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 74 ft (22.6 m), cased to 64 ft (19.5 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.8 ft (1.16 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.04 ft (1.231 m) below land-surface datum, Mar. 10, 1976; lowest measured, 8.78 ft (2.676 m) below land-surface datum, Aug. 4, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	7.15	FEB 12	6.28	MAY 13	6.89	AUG 4	8.78

342245088232501. Local number E6. (USCE 64A)

LOCATION.--Lat 34°22'45", long 88°23'25", Hydrologic Unit 03160101, SW¼SE¼ sec.18, T.8 S., R.9 E., 7 mi (11 km) north of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 106 ft (32.2 m), cased to 66 ft (20.1 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of valve 3.2 ft (0.98 m) above land-surface datum.

PERIOD OF RECORD.--September 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 16.0 ft (4.877 m) above land-surface datum, Sept. 24, 1975; lowest measured 26.96 ft (8.217 m) below land-surface datum, Aug. 4, 1981.

WATER LEVEL, IN FEET ABOVE AND BELOW (-) LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	2.36	FEB 14	-0.04	MAY 14	-13.24	AUG 4	-26.96

342245088232502. Local number E4. (USCE 64B)

LOCATION.--Lat 34°22'45", long 88°23'25", Hydrologic Unit 03160101, SW¼SE¼ sec.18, T.8 S., R.9 E., 7 mi (11 km) north of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 40 ft (12.2 m), cased to 30 ft (9.1 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.4 ft (0.73 m) above land-surface datum.

PERIOD OF RECORD.--September 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.67 ft (0.509 m) above land-surface datum, Mar. 31, 1976; lowest recorded, 2.45 ft (0.747 m) below land-surface datum, Oct. 23-24, 1978.

WATER LEVEL, IN FEET ABOVE AND BELOW (-) LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-0.62	-0.69	-0.08	-0.30	---	0.49	0.50	-0.07				
10	-0.72	-0.78	0.02	-0.21	---	0.32	0.49	-0.35				
15	-0.96	-0.46	-0.06	-0.21	0.12	0.25	0.28	---				
20	-0.89	-0.14	-0.22	-0.29	0.31	---	0.26	---				
25	-0.96	-0.12	-0.14	-0.02	0.18	0.36	0.11	---				
EOM	-0.55	.02	-0.14	-0.18	0.15	0.64	-0.07	---				

ITAWAMBA COUNTY--Continued

342301088230101. Local number E5. (USCE 65A)

LOCATION.--Lat 34°23'01", long 88°23'01", Hydrologic Unit 03160101, NE¼SE¼ sec.18, T.8 S., R.9 E., 7.1 mi (11.4 km) north of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 130 ft (39.6 m), cased to 110 ft (33.5 m).

DATUM.--Land-surface datum is about 325 ft (99.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 5.5 ft (1.68 m) above land-surface datum.

PERIOD OF RECORD.--September 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level indicated, flowing >5 ft (1.5 m) above land-surface datum, many days in April, September and October 1978; lowest recorded, 18.68 ft (5.694 m) below land-surface datum, June 5, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	4.57	5.06	5.27	5.50	5.53	6.46		---	18.67			
10	4.46	5.34	5.29	5.46	5.97	6.43		---	---			
15	4.34	5.31	5.22	5.38	6.28	6.29		14.81	---			
20	4.25	5.30	5.39	5.28	6.34	5.73		16.02	---			
25	4.21	5.31	5.40	4.95	6.42	---		16.85	---			
EOM	4.54	5.24	5.34	5.10	6.46	---		17.54	---			

341610088264801. Local number G65. (USCE 67A)

LOCATION.--Lat 34°16'10", long 88°26'48", Hydrologic Unit 03160101, SW¼SE¼ sec.27, T.9 S., R.8 E., 2 mi (3 km) west of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 179 ft (54.6 m), cased to 169 ft (51.5 m).

DATUM.--Land-surface datum is about 270 ft (82.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.4 ft (0.73 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 2.63 ft (0.802 m) above land-surface datum, May 17, 1979; lowest measured, 18.26 ft (5.566 m) below land-surface datum, Feb. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	18.20	FEB 12	18.26	MAY	17.12	AUG 4	17.65

341610088264802. Local number G66. (USCE 67B)

LOCATION.--Lat 34°16'10", long 88°26'48", Hydrologic Unit 03160101, SW¼SE¼ sec.27, T.9 S., R.8 E., 2 mi (3.2 km) west of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 71 ft (21.6 m), cased to 61 ft (18.6 m).

DATUM.--Land-surface datum is about 270 ft (82.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.4 ft (0.73 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.42 ft (3.176 m) below land-surface datum, May 17, 1979, lowest measured, 19.62 ft (5.980 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	18.48	FEB 12	15.73	MAY 14	17.89	AUG 4	19.00

ITAWAMBA COUNTY--Continued

341425088193101. Local number L15. (USCE 71A)

LOCATION.--Lat 34°14'25", long 88°19'31", Hydrologic Unit 03160101, NE¼SW¼ sec.2, T.10 S., R.9 E., 4.6 mi (7.4 km) southwest of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Grodo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 170 ft (51.8 m), cased to 150 ft (45.7 m).

DATUM.--Land-surface datum is about 273 ft (83.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--July 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.24 ft (1.292 m) below land-surface datum, Mar. 10, 1976; lowest measured, 16.54 ft (5.041 m) below land-surface datum, Aug. 11, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	15.62	FEB 11	14.28	MAY 14	14.12	AUG 11	16.54

341235088233801. Local number L17. (USCE 72A)

LOCATION.--Lat 34°12'35", long 88°23'38", Hydrologic Unit 03160101, NW¼SE¼ sec.18, T.10 S., R.9 E., 4.2 mi (6.8 km) south of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian wells, diameter 4 in (102 mm), depth 21 ft (6.4 m), cased to 16 ft (4.9 m).

DATUM.--Land-surface datum is about 249 ft (75.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 4.6 ft (1.40 m).

PERIOD OF RECORD.--September 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.0 ft (0.914 m) above land-surface datum, Feb. 9, 1975; lowest measured, 5.01 ft (1.527 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	0.45	FEB 11	0.60	MAY 14	2.22	AUG 11	0.47

341232088225302. Local number L14. (USCE 74A)

LOCATION.--Lat 34°12'32", long 88°22'53", Hydrologic Unit 03160101, SW¼SW¼ sec.17, T.10 S., R.9 E., 4.3 mi (6.9 km) south of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Grodo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 150 ft (45.7 m), cased to 130 ft (39.6 m).

DATUM.--Land-surface datum is about 270 ft (82.3) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.5 ft (0.46 m) above land-surface datum.

PERIOD OF RECORD.--July 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.63 ft (3.240 m) below land-surface datum, Mar. 14, 1975; lowest recorded 23.71 ft (7.227 m) below land-surface datum, Sept. 30, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5		21.33	20.19	20.05	19.57	19.14	18.97	19.52	20.28	21.35	22.41	23.13
10		21.34	20.11	20.00	19.38	19.20	18.99	19.65	20.47	21.31	22.72	23.21
15		21.20	20.02	19.94	19.39	19.16	19.16	19.91	20.58	21.34	22.97	23.28
20		20.83	20.14	20.01	19.15	19.18	19.14	20.02	20.76	21.62	23.13	23.43
25		20.60	20.07	19.93	19.26	19.20	19.24	20.18	21.10	21.91	23.28	23.59
EOM		20.28	19.95	19.96	19.28	18.94	19.35	20.27	21.35	22.18	23.33	23.71

ITAWAMBA COUNTY--Continued

241232088225302. Local number L19. (USCE 74B)

LOCATION.--Lat 34°12'32", long 89°22'53", Hydrologic Unit 03160101, SW¼SW¼ sec.17, T.10 S., R.9 E., 4.3 mi (6.9 km) south of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Dug unused water-table well, diameter 24 in (610 mm), depth 16 ft (4.9 m), cased to 16 ft (4.9 m).

DATUM.--Land-surface datum is about 270 ft (82.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.91 m).

PERIOD OF RECORD.--January 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.48 ft (0.146 m) below land-surface datum, Jan. 23, 1973; lowest measured, 10.98 ft (3.347 m) below land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	8.12	FEB 11	4.88	MAY 14	7.64	AUG 4	9.77

341232088222801. Local number L16. (USCE 75A)

LOCATION.--Lat 34°12'32", long 88°22'28", Hydrologic Unit 03160101, SW¼SE¼ sec.17, T.10 S., R.9 E., 4.8 mi (7.7 km) southeast of Fulton.

Owner: U.S. Army, Corps of Engineers

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 144 ft (43.9 m), cased to 124 ft (37.8 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.2 ft (0.37 m) above land-surface datum.

PERIOD OF RECORD.--July 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.12 ft (6.437 m) below land-surface datum, Apr. 25, 1973; lowest measured, 32.02 ft (9.760 m) below land-surface datum, Aug. 4, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	30.74	FEB 11	28.96	MAY 14	29.35	AUG 4	32.02

340544088255201. Local number N28. (USCE 81A)

LOCATION.--Lat 34°05'44", long 88°25'52", Hydrologic Unit 03160101, NE¼SW¼ sec.26, T.11 S., R.8 E., 12.3 mi (19.8 km) south of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 180 ft (54.9 m), cased to 170 ft (51.8 m).

DATUM.--Land-surface datum is about 246 ft (75.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.12 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.85 ft (1.478 m) below land-surface datum, Mar. 10, 1976; lowest measured, 22.60 ft (6.888 m) below land-surface datum, Nov. 5, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 6	22.60	FEB 11	22.52	MAY 14	20.54	AUG 11	20.54

341604088244602. Local number C68. (USCE 106A)

LOCATION.--Lat 34°16'04", long 88°24'46", Hydrologic Unit 03160101, SW¼SE¼ sec.25, T.9 S., R.8 E., in Fulton, Mississippi.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 2 in (51 mm), depth 10 ft (3.0 m), cased to 5 ft (1.5 m).

DATUM.--Land-surface datum is about 290 ft (88.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.8 ft (1.16 m) above land-surface datum.

PERIOD OF RECORD.--June 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.21 ft (0.369 m) above land-surface datum, June 8, 1978; lowest measured, 0.90 ft (0.274 m) below land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	0.49	FEB 2	0.90	MAY 14	0.03	AUG 17	-0.86

ITAWAMBA COUNTY--Continued

341604088244601. Local number G67. (USCE 106B)

LOCATION.--Lat 34°16'04", long 88°24'46", Hydrologic Unit 03160101, SW¼SE¼ sec.25, T.9 S., R.8 E., in Fulton, Mississippi.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 175 ft (53.3 m), cased to 165 ft (50.3 m).

DATUM.--Land-surface datum is about 284 ft (86.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.80 ft (1.15 m) above land-surface datum.

PERIOD OF RECORD.--June 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.17 ft (2.490 m) below land-surface datum, June 8, 1978; lowest measured, 43.55 ft (13.274 m) below land-surface datum, Sept. 24, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	34.27	33.47	32.26	31.79	32.02	31.49	31.02	---	33.80	37.24	39.73	42.05
10	33.42	33.08	31.77	32.07	31.82	31.66	30.78	---	34.77	36.92	40.61	42.58
15	33.66	32.55	32.15	32.13	31.80	31.62	30.92	---	34.82	37.31	41.39	43.11
20	34.42	32.43	32.45	32.18	31.39	31.63	30.82	---	35.80	37.64	41.13	42.99
25	34.26	32.14	31.96	32.57	31.71	31.38	30.83	32.37	37.20	37.56	40.68	43.43
EOM	33.66	32.35	31.55	32.37	31.71	30.99	---	32.36	37.06	39.49	41.63	43.28

MONROE COUNTY

340504088241101. Local number C51. (USCE 84A)

LOCATION.--Lat 34°05'04", long 88°24'11", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.11 S., R.8 E., 6 mi (10 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 170 ft (51.8 m), cased to 150 ft (45.7 m).

DATUM.--Land-surface datum is about 234 ft (71.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.8 ft (0.85 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.3 ft (4.054 m) above land-surface datum, Mar. 10, 1976; lowest measured, 7.63 ft (2.326 m) below land-surface datum, Feb. 1, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	5.06	FEB 2	4.83	MAY 14	3.06	AUG 11	3.31

340504088241102. Local number C52. (USCE 84B)

LOCATION.--Lat 34°05'04", long 88°14'11", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.11 S., R.8 E., 6 mi (10 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 110 ft (33.5 m), cased to 100 ft (30.5 m).

DATUM.--Land-surface datum is about 234 ft (71.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.2 ft (0.98 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 11.46 ft (3.493 m) above land-surface datum, Aug. 2, 1977; lowest measured, 12.64 ft (3.853 m) below land-surface datum, Feb. 11, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	12.49	FEB 11	12.64	MAY 14	10.72	AUG 11	9.08

MONROE COUNTY--Continued

340504088241103. Local number C53. (USCE 84C)

LOCATION.--Lat 34°05'04", long 88°24'11", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.11 S., R.8 E., 6 mi (10 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 27 ft (8.2 m), cased to 7 ft (2.1 m).

DATUM.--Land-surface datum is about 234 ft (71.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.3 ft (0.70 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.77 ft (0.235 m) above land-surface datum, Feb. 13, 1977; lowest measured, 9.03 ft (2.752 m) below land-surface datum, Aug. 9, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	7.62	FEB 11	0.50	MAY 14	4.44	AUG 11	8.69

340454088250401. Local number C54. (USCE 85A)

LOCATION.--Lat 34°04'54", long 88°25'04", Hydrologic Unit 03160101, SW¼NE¼ sec.36, T.11 S., R.8 E., 6.0 mi (10 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 21 ft (6.4 m), cased to 11 ft (3.4 m).

DATUM.--Land-surface datum is about 235 ft (71.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.5 ft (0.76 m).

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.17 ft (0.052 m) below land-surface datum, Jan. 23, 1973; lowest measured, 8.72 ft (2.658 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	5.19	FEB 12	1.29	MAY 15	4.25	AUG 11	6.99

340442088250101. Local number C55. (USCE 86A)

LOCATION.--Lat 34°04'42", long 88°25'01", Hydrologic Unit 03160101, NW¼SW¼ sec.36, T.11 S., R.8 E., 6 mi (10 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 24 ft (7.3 m), cased to 10 ft (3 m).

DATUM.--Land-surface datum is about 235 ft (71.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.4 ft (0.43 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.80 ft (0.244 m) below land-surface datum, Apr. 25, 1973; lowest measured, 8.26 ft (2.518 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	3.45	FEB 12	1.40	MAY 15	4.29	AUG 11	6.18

340426088245101. Local number C56. (USCE 87A)

LOCATION.--Lat 34°04'26", long 88°24'51", Hydrologic Unit 03160101, SE¼SW¼ sec.36, T.11 S., R.8 E., 6 mi (10 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 13 ft (4.0 m), cased to 8 ft (2.4 m).

DATUM.--Land-surface datum is about 236 ft (71.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.07 ft (0.021 m) above land-surface datum, Mar. 13, 1980; lowest measured, 6.70 ft (2.042 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET ABOVE AND BELOW (-) LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
Nov 5	1.54	FEB 12	0.36	MAY 15	2.91	AUG 11	4.99

MONROE COUNTY--Continued

340409088243801. Local number C57. (USCE 89A)

LOCATION.--Lat 34°04'09", long 88°24'38", Hydrologic Unit 03160101, SW¼NE¼ sec.1, T.12 S., R.8 E., 5.9 mi (9.5 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 166 ft (50.6 m), cased to 146 ft (44.5 m).

DATUM.--Land-surface datum is about 245 ft (74.7 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of recorder house floor, 1.65 ft (0.503 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.48 ft (0.451 m) above land-surface datum, Apr. 26, 1973; lowest measured, 33.35 ft (10.775 m) below land-surface datum, Feb. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	33.97	FEB 12	35.35	AUG 11	27.67

340409088243802. Local number C58. (USCE 89B)

LOCATION.--Lat 34°04'09", long 88°24'38", Hydrologic Unit 03160101, SW¼NE¼ sec.1, T.12 S., R.8 E., 5.9 mi (9.5 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--McShan Formation of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 45 ft (13.7 m), cased to 40 ft (12.2 m).

DATUM.--Land-surface datum is about 245 ft (74.7 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of casing 2.0 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.99 ft (1.216 m) below land-surface datum, June 8, 1978; lowest measured, 10.03 ft (3.057 m) below land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	6.62	FEB 12	6.00	MAY 15	6.10	AUG 11	9.49

340056088283001. Local number C66. (USCE 94A)

LOCATION.--Lat 34°00'56", long 88°28'30", Hydrologic Unit 03160101, SE¼SE¼ sec.20, T.12 S., R.8 E., 0.5 mi (0.8 km) north of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 20 ft (6.1 m), cased to 10 ft (3.0 m).

DATUM.--Land-surface datum is about 217 ft (66.1 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of casing 2.0 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.60 ft (0.183 m) above land-surface datum, Apr. 10, 1974; lowest measured, 4.87 ft (1.484 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	1.75	FEB 12	0.50	MAY 15	1.25	AUG 11	3.16

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

MONROE COUNTY--Continued

340054088281801. Local number C59. (USCE 95A)

LOCATION.--Lat 34°00'54", long 88°28'18", Hydrologic Unit 03160101, SW¼SW¼ sec.21, T.12 S., R.8 S., 0.5 mi (0.8 km) north of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 166 ft (50.6 m), cased to 156 ft (47.5 m).

DATUM.--Land-surface datum is about 220 ft (67.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.6 ft (0.49 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.09 ft (0.03 m) above land-surface datum, March 22, 1973; lowest measured, 16.45 ft (5.014 m) below land-surface datum, Feb. 13, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5		15.53	15.90	15.89	---	16.03	14.89	14.44	14.19	14.42	13.94	14.28
10		15.78	15.83	---	---	16.02	14.78	14.24	14.09	14.08	13.94	14.24
15		15.85	15.85	---	16.42	15.98	14.74	14.34	14.17	13.84	14.93	14.22
20		15.89	16.15	---	16.20	15.87	14.60	14.22	14.42	13.86	14.74	14.18
25		15.90	16.08	---	16.17	15.80	14.55	14.25	14.42	13.94	14.64	14.15
EOM		15.88	15.88	---	15.22	15.22	14.49	14.21	14.42	13.94	14.49	14.19

340054088281802. Local number C67. (USCE 95B)

LOCATION.--Lat 34°00'54", long 88°28'18", Hydrologic Unit 03160101, SW¼SW¼ sec.21, T.12 S., R.8 E., 0.5 mi (0.8 km) north of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 20 ft (6.1 m), cased to 10 ft (3.0 m).

DATUM.--Land-surface datum is about 220 ft (67.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.65 ft (0.503 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.38 ft (0.421 m) below land-surface datum, Mar. 31, 1976; lowest measured, 9.97 ft (3.039 m) below land-surface datum, Aug. 27, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5		2.83	2.26	2.33	2.02	1.61	1.69	2.18	2.37	2.83	3.58	2.89
10		2.85	2.05	2.27	2.04	1.84	1.78	2.23	2.58	2.73	3.61	3.24
15		2.76	2.12	2.29	1.94	1.87	1.83	2.39	2.78	2.98	3.88	3.27
20		2.37	2.22	2.25	1.96	1.86	1.88	2.29	2.93	3.27	3.00	3.35
25		2.33	2.22	2.21	2.02	1.80	2.02	2.47	3.20	3.46	3.53	3.60
EOM		2.22	2.25	2.29	2.05	1.67	2.15	2.39	3.27	3.64	3.75	3.82

340018088270701. Local number C60. (USCE 96A)

LOCATION.--Lat 34°00'18", long 88°27'07", Hydrologic Unit 03160101, NW¼SE¼ sec.20, T.12 S., R.18 W., 0.8 mi (1.3 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 164 ft (50.0 m), cased to 154 ft (46.9 m).

DATUM.--Land-surface datum is about 253 ft (77.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.8 ft (0.24 m).

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.92 ft (6.376 m) below land-surface datum, Apr. 26, 1973; lowest measured, 35.57 ft (10.842 m) below land-surface datum, Feb. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	34.88	FEB 12	35.57	MAY 21	34.50	AUG 11	34.22

MONROE COUNTY--Continued

340018088270702. Local number C70. (USCE 96B)

LOCATION.--Lat 34°00'13", long 88°27'07", Hydrologic Unit 03160101, SW¼SE¼ sec.20, T.12 S., R.18 W., 0.5 mi (0.8 km) north of Amory.

Owner: Irma Tubbs.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Dug unused water table well, diameter 24 in (610 mm), depth 16 ft (4.9 m).

DATUM.--Land-surface datum is about 257 ft (78.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.9 ft (0.88 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.10 ft (0.640 m) below land-surface datum, Apr. 14, 1980; lowest measured, 12.10 ft (3.688 m) below land-surface datum, Nov. 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.09	6.56	3.81	4.93	3.50	3.47	3.70	6.56	6.00	7.57	9.39	9.74
10	9.15	6.81	3.23	4.69	3.73	3.87	4.22	6.88	5.79	6.99	9.60	10.10
15	9.26	6.84	3.64	4.82	3.66	4.24	4.67	7.06	5.69	7.63	9.89	10.29
20	9.29	4.11	4.16	4.88	3.69	4.42	5.09	6.55	6.49	8.15	9.97	10.38
25	8.98	3.88	4.40	4.12	4.11	4.17	5.43	6.89	7.21	8.60	10.13	10.50
EOB	6.54	3.30	4.59	4.43	4.30	3.52	6.06	6.20	7.65	9.06	10.33	10.62

335902088314501. Local number C80. (USCE TTM 6A)

LOCATION.--Lat 33°59'02", long 88°31'45", Hydrologic Unit 03160101, NE¼NE¼ sec.33, T.13 S., R.19 W., 2 mi (3 km) west of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Tombigbee Sand Member of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 65 ft (19.8 m), cased to 55 ft (16.8 m).

DATUM.--Land-surface datum is about 210 ft (64.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.52 m) above land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.26 ft (1.603 m) below land-surface datum, Mar. 10, 1976; lowest measured 11.98 ft (3.652 m) below land-surface datum, Aug. 10, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	11.33	FEB 12	10.85	MAY 21	10.90	AUG 10	11.98

335902088314502. Local number C81. (USCE TTM 6B)

LOCATION.--Lat 33°59'02", long 88°31'45", Hydrologic Unit 03160101, NE¼NE¼ sec.33, T.13 S., R.19 W., 2 mi (3 km) west of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 38 ft (11.6 m), cased to 28 ft (8.5 m).

DATUM.--Land-surface datum is about 210 ft (64.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.

PERIOD OF RECORD.--June 1973 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.90 ft (1.494 m) below land-surface datum, Mar. 10, 1976; lowest measured, 11.62 ft (3.542 m) below land-surface datum, Aug. 10, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	10.73	FEB 12	10.17	MAY 21	10.49	AUG 10	11.62

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

MONROE COUNTY--Continued

335445088312501. Local number H17. (USCE TTM 5A)

LOCATION.--Lat 33°54'45", long 88°31'25", Hydrologic Unit 03160101, SE¼SW¼ sec.22, T.13 S., R.19 W., 6.4 mi (10.3 km) north of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 90 ft (27.4 m), cased to 80 ft (24.4 m).

DATUM.--Land-surface datum is about 200 ft (61.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.87 ft (2.094 m) below land-surface datum, Mar. 12, 1980; lowest measurement 15.15 ft (4.618 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	13.00	FEB 12	10.10	MAY 12	11.33	AUG 10	13.53

335445088312502. Local number H18. (USCE TTM 5B)

LOCATION.--Lat 33°54'45", long 88°31'25", Hydrologic Unit 03160101, SE¼SW¼ sec.22, T.13 S., R.19 W., 6.4 mi (10.3 km) north of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 26 ft (7.9 m), cased to 16 ft (4.9 m).

DATUM.--Land-surface datum is about 200 ft (61.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.70 ft (2.042 m) below land-surface datum, Mar. 10, 1976; lowest measured, 13.80 ft (4.206 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	12.90	FEB 12	11.39	MAY 12	11.39	MAY 10	12.49

335117088332801. Local number L63. (USCE 101A)

LOCATION.--Lat 33°51'17", long 88°33'28", Hydrologic Unit 03610101, SW¼SW¼ sec.15, T.14 S., R.7 E., 2 mi (3 km) north of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 90 ft (27.4 m), cased to 80 ft (24.4 m).

DATUM.--Land-surface datum is about 202 ft (61.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.6 ft (0.49 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.92 ft (3.633 m) below land-surface datum, Mar. 22, 1973; lowest measured, 25.28 ft (7.7053 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	24.34	FEB 11	23.85	MAY 12	23.24	AUG 7	24.18

335117088332802. Local number L69. (USCE 101B)

LOCATION.--Lat 33°51'17", long 88°33'28", Hydrologic Unit 03160101, SW¼SW¼ sec.15, T.14 S., R.7 E., 2 mi (3 km) north of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 20 ft (6.1 m), cased to 15 ft (4.6 m).

DATUM.--Land-surface datum is about 202 ft (61.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.6 ft (0.49 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.05 ft (0.625 m) below land-surface datum, May 30, 1973; lowest measured, 11.28 ft (3.438 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	11.10	FEB 11	9.04	MAY 12	7.68	AUG 7	9.79

MONROE COUNTY--Continued

335118088323201. Local number L64. (USCE 102A)

LOCATION.--Lat 34°51'18", long 88°32'32", Hydrologic Unit 03160101, NW¼NW¼ sec.23, T.14 S., R.7 E., 2 mi (3 km) north of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 50 ft (15.2 m), cased to 40 ft (12.2 m).

DATUM.--Land-surface datum is about 191 ft (58.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.39 ft (0.119 m) above land-surface datum, Mar. 12, 1980; lowest measured, 11.46 ft (3.493 m) below land-surface datum, Oct. 19, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	6.80	FEB 11	4.61	MAY 12	5.19	AUG 7	7.46

335118088323202. Local number L68. (USCE 102B)

LOCATION.--Lat 33°51'18", long 88°32'32", Hydrologic Unit 03160101, NW¼NW¼ sec.23, T.14 S., R.7 E., 2.0 mi (3 km) north of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 30 ft (9.1 m), cased to 25 ft (7.6 m).

DATUM.--Land-surface datum is about 191 ft (58.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.98 ft (0.299 m) above land-surface datum, May 26, 1980; lowest measured, 8.80 ft (2.682 m) below land-surface datum, Dec. 11, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	7.02	FEB 11	5.42	MAY 12	4.07	AUG 7	6.09

335122088305201. Local number L65. (USCE 104A)

LOCATION.--Lat 33°51'22", long 88°30'52", Hydrologic Unit 03160101, SE¼SE¼ sec.10, T.14 S., R.19 W., 2.3 mi (3.7 km) northeast of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 55 ft (16.8 m), cased to 50 ft (15.2 m).

DATUM.--Land-surface datum is about 194 ft (59.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.5 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.30 ft (0.701 m) below land-surface datum, Apr. 8, 1974; lowest measured, 9.77 ft (2.978 m) below land-surface datum, Oct. 24, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	8.52	FEB 12	4.10	MAY 22	5.34	AUG 10	8.91

335122088305202. Local number L67. (USCE 104B)

LOCATION.--Lat 33°51'22", long 88°30'52", Hydrologic Unit 03160101, SE¼SE¼ sec.10, T.14 S., R.19 E., 2.3 mi (3.7 km) northeast of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 24 ft (7.3 m), cased to 19 ft (5.8 m).

DATUM.--Land-surface datum is about 194 ft (59.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.86 ft (0.567 m) below land-surface datum, Mar. 10, 1976; lowest measured 9.24 ft (2.816 m) below land-surface datum, Oct. 20, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	7.25	FEB 12	2.87	MAY 22	4.75	AUG 10	8.65

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

MONROE COUNTY--Continued

335122088293001. Local number L62. (USCE 105A)

LOCATION.--Lat 33°51'22", long 88°29'30", Hydrologic Unit 03160101, SW¼SW¼ sec.19, T.14 S., R.19 W., 3.7 mi (6.0 km) northeast of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 64 ft (19.5 m), cased to 54 ft (16.4 m).

DATUM.--Land-surface datum is about 210 ft (64.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.8 ft (0.24 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 6.20 ft (1.890 m) below land-surface datum, Mar. 22, 1973; lowest measured 14.65 ft (4.465 m) Nov. 15, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.47	12.78	11.07		---	9.93	9.10	10.81	9.77	11.77	13.30	13.82
10	13.54	12.87	11.03		---	9.81	9.27	10.82	9.92	12.03	13.67	13.95
15	13.62	12.91	---		10.09	9.90	9.63	11.20	10.31	12.33	13.85	14.05
20	---	12.19	---		9.96	10.00	9.91	10.95	10.79	12.62	13.78	14.10
25	---	11.84	---		10.12	9.91	10.09	10.81	11.25	12.87	13.87	14.23
EOM	---	11.20	---		10.19	9.64	10.44	10.36	11.63	13.12	14.01	14.34

334958088323602. Local number L77. (USCE AB10)

LOCATION.--Lat 33°49'58", long 88°32'36", Hydrologic Unit 03160101, SW¼SW¼ sec.26, T.14 S., R.7 E., in Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 145 ft (44.2 m), cased to 135 ft (41.1 m).

DATUM.--Land-surface datum is about 200 ft (61.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.5 ft (1.06 m) above land-surface datum.

PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.17 ft (10.110 m) below land-surface datum, May 11, 1977; lowest measured, 67.86 ft (20.684 m) below land-surface datum, Aug. 8, 1979

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	46.17	FEB 11	48.23	MAY 12	52.29	AUG 7	47.77

334958088323601. Local number L75. (USCE AB11)

LOCATION.--Lat 33°49'58", long 88°32'36", Hydrologic Unit 03160101, SE¼SE¼ sec.26, T.14 S., R.7 E., in Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--McShan Formation of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 224 ft (68.3 m), cased to 204 ft (62.2 m).

DATUM.--Land-surface datum is about 200 ft (61.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.2 ft (0.98 m) above land-surface datum.

PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.52 ft (4.121 m) below land-surface datum, May 11, 1977; lowest measured 27.43 ft (8.361 m) below land-surface datum, Aug. 25, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	26.57	26.45	26.41		26.86			---	26.20	26.32	26.29	24.41
10	26.60	26.57	26.37		---			26.23	26.11	25.91	25.91	23.96
15	26.78	26.66	26.44		---			---	25.93	26.07	26.23	23.58
20	26.66	26.27	26.59		---			---	25.95	26.34	25.27	23.37
25	26.54	26.39	---					26.44	26.42	26.34	25.52	23.53
EOM	26.34	26.27	---					26.48	26.48	26.42	24.85	23.41

MONROE COUNTY--Continued

334958088323603. Local number L78. (USCE AB12)

LOCATION.--Lat 33°49'58", long 88°32'36", Hydrologic Unit 03160101, SW¼SW¼ sec.26, T.14 S., R.7 E., in Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 90 ft (27.4 m), cased to 80 ft (24.4 m).

DATUM.--Land-surface datum is about 200 ft (61.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor 3.0 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.94 ft (9.431 m) below land-surface datum, May 11, 1977; lowest measured, 52.09 ft (15.877 m) below land-surface datum, Jan. 10, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5		41.35			---			---	38.22	42.95	47.20	45.06
10		---			---			41.34	---	40.09	45.76	43.27
15		---			39.77			---	---	44.28	47.13	41.62
20		---			---			---	38.94	47.35	45.83	42.22
25		---			---			41.94	45.72	48.12	45.70	42.37
EOM		---			---			36.31	45.03	48.10	46.29	42.01

334910088311501. Local number L73. (USCE TTM 4A)

LOCATION.--Lat 33°49'10", long 88°31'15", Hydrologic Unit 03160101, SE¼NW¼ sec.36, T.14 S., R.7 E., 1.3 mi (2.1 km) east of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 177 ft (53.9 m), cased to 167 ft (50.9 m).

DATUM.--Land-surface datum is about 200 ft (61.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.2 ft (1.58 m) above land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.73 ft (3.880 m) below land-surface datum, Mar. 11, 1980; lowest measured, 33.46 ft (10.199 m) below land-surface datum, Oct. 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	29.66	FEB 11	25.64	MAY 12	27.62	AUG 7	29.41

334910088311502. Local number L74. (USCE TTM 4B)

LOCATION.--Lat 33°49'10", long 88°31'15", Hydrologic Unit 03160101, SE¼NW¼ sec.36, T.14 S., R.7 E., 1.3 mi (2.1 km) east of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 26 ft (7.9 m), cased to 16 ft (4.9 m).

DATUM.--Land-surface datum is about 200 ft (61.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.3 ft (1.61 m) above land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.02 ft (2.750 m) below land-surface datum, Mar. 11, 1976; lowest measured, 14.87 ft (4.532 m) below land-surface datum, Oct. 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 5	12.67	FEB 11	10.46	MAY 12	10.60	AUG 7	13.36

LOWNDES COUNTY

333805088291001. Local number A33. (USCE TTM 3A)

LOCATION.--Lat 33°38'05", long 88°29'10", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.16 S., R.19 W., 10 mi (16 km) northwest of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 78 ft (23.8 m).

DATUM.--Land-surface datum is about 182 ft (55.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.52 m) above land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.27 ft (0.387 m) below land-surface datum, June 9, 1978; lowest measured, 10.10 ft (3.078 m) below land-surface datum, Nov. 4, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 4	10.10	JAN 12	9.60	FEB 11	8.52	MAY 12	6.86	AUG 7	8.80

333805088291002. Local number A34. (USCE TTM 3B)

LOCATION.--Lat 33°38'05", long 88°29'10", Hydrologic Unit 03160104, NW¼NW¼ sec.36, T.16 S., R.19 W., 10 mi (16 km) northwest of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 31 ft (9.4 m), cased to 21 ft (6.4 m).

DATUM.--Land-surface datum is about 182 ft (55.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 4.9 ft (1.49 m) above land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.32 ft (0.402 m) below land-surface datum, June 9, 1978; lowest measured 8.80 ft (2.682 m) below land-surface datum, Oct. 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5				---	8.11	6.72		---	5.72	6.78		
10				---	7.92	6.47		---	5.81	6.98		
15				8.70	7.43	6.37		5.36	5.98	7.17		
20				8.70	7.14	6.32		5.53	6.19	7.43		
25				---	7.02	6.07		5.74	6.46	7.65		
EOM				---	6.96	---		5.67	6.65	---		

333355088282502. Local number C100. (USCE 114B)

LOCATION.--Lat 33°33'55", long 88°28'25", Hydrologic Unit 03160101, SE¼SE¼ sec.24, T.17 S., R.19 W., 5.2 mi (1.6 km) northwest of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 47 ft (14.3 m), cased to 37 ft (11.3 m).

DATUM.--Land-surface datum is about 170 ft (51.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.0 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--September 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.82 ft (0.250 m) above land-surface datum, Mar. 23, 1973; lowest measured, 10.80 ft (3.292 m) below land-surface datum, Oct. 23, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5		---	6.71	6.67	6.05	5.36	4.10	---	5.89	6.38	6.95	
10		---	6.64	6.67	5.92	5.37	4.72	---	5.84	6.47	6.92	
15		---	6.65	6.66	5.68	5.49	---	6.04	5.98	6.55	6.94	
20		---	6.64	6.68	5.65	5.54	---	6.09	6.15	6.65	6.95	
25		7.13	6.64	6.59	5.57	5.32	---	6.12	6.27	6.76	6.93	
EOM		6.82	6.64	6.47	5.73	4.54	---	6.00	6.36	6.88	---	

LOWNDES COUNTY--Continued

33335088282503. Local number C101. (USCE 114C)

LOCATION.--Lat 33°33'55", long 88°28'25", Hydrologic Unit 03160101, SE¼SE¼ sec.24, T.17 S., R.19 W., 5.2 mi (1.6 km) northwest of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 92 ft (28.0 m), cased to 82 ft (25.0 m).

DATUM.--Land-surface datum is about 170 ft (51.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.3 ft (0.70 m) above land-surface datum.

PERIOD OF RECORD.--September 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.59 ft (0.180 m) below land-surface datum, Mar. 23, 1973; lowest measured, 11.61 ft (3.539 m) below land-surface datum, Feb. 5, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 24	10.30	JAN 12	10.21	FEB 11	9.10	MAY 11	8.16	AUG 7	8.75

33335088270501. Local number C99. (USCE 115A)

LOCATION.--Lat 33°33'54", long 88°27'05", Hydrologic Unit 03160101, SE¼SE¼ sec.19, T.17 S., R.18 W., 7 mi (11 km) northwest of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 84 ft (25.6 m), cased to 74 ft (22.6 m).

DATUM.--Land-surface datum is about 172 ft (52.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.4 ft (0.43 m).

PERIOD OF RECORD.--September 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.63 ft (0.192 m) below land-surface datum, Mar. 22, 1973; lowest measured, 6.94 ft (2.115 m) below land-surface datum, Nov. 24, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 24	6.94	JAN 12	6.24	FEB 11	5.68	MAY 12	5.19	AUG 7	7.50

33335088270502. Local number C102. (USCE 115B)

LOCATION.--Lat 33°33'54", long 88°27'05", Hydrologic Unit 03160101, SE¼SE¼ sec.19, T.17 S., R.18 W., 7 mi (11 km) northwest of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 24 ft (7.3 m), cased to 19 ft (5.8 m).

DATUM.--Land-surface datum is about 172 ft (52.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.4 ft (0.43 m) above land-surface datum.

PERIOD OF RECORD.--September 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.34 ft (0.104 m) below land-surface datum, Mar. 22, 1973; lowest measured 10.57 ft (3.222 m) below land-surface datum, Oct. 19, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 24	6.94	JAN 24	6.94	JAN 12	4.99	FEB 11	2.78	MAY 12	4.89	AUG 7	9.07

332935088282001. Local number F73. (USCE TTM 2A)

LOCATION.--Lat 33°29'35", long 88°28'20", Hydrologic Unit 03160101, NE¼NW¼ sec.25, T.19 N., R.17 E., 2.3 mi (3.7 km) west of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 162 ft (49.4 m), cased to 152 ft (46.3 m).

DATUM.--Land-surface datum is about 160 ft (48.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.8 ft (1.77 m) above land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.16 ft (4.011 m) below land-surface datum, June 4, 1975; lowest measured, 27.64 ft (8.425 m) below land-surface datum, Aug. 26, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 4	25.70	FEB 11	24.85	MAY 11	24.75	AUG 7	25.68

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

LOWNDES COUNTY--Continued

332935088282002. Local number F74. (USCE TTM 2B)

LOCATION.--Lat 33°29'35", long 88°28'20", Hydrologic Unit 03160101, NE¼SW¼ sec.17, T.20 S., R.17 W., 2.3 mi (3.7 km) west of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 19 ft (5.8 m), cased to 9 ft (2.7 m).

DATUM.--Land-surface datum is about 160 ft (48.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.3 ft (1.62 m) above land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.60 ft (3.841 m) below land-surface datum, May 17, 1979; lowest measured, dry, Feb. 11, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 4	18.00	FEB 11	Dry	MAY 11	15.95	AUG 7	16.90

331915088202001. Local number Q12. (USCE TTM 1A)

LOCATION.--Lat 33°19'15", long 88°20'20", Hydrologic Unit 03160106, NE¼SW¼ sec.17, T.20 S., R.17 W., 12.3 mi (19.8 km) southeast of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 141 ft (43 m), cased to 131 ft (39.9 m).

DATUM.--Land-surface datum is about 150 ft (45.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.52 m) above land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.13 ft (2.173 m) below land-surface datum, Aug. 26, 1980; lowest measured, 13.90 ft (4.237 m) below land-surface datum, Oct. 3, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 4	6.72	FEB 11	6.37	MAY 11	6.11	AUG 7	6.62

331915088202002. Local number Q13. (USCE TTM 1B)

LOCATION.--Lat 33°19'15", long 88°20'20", Hydrologic Unit 03160106, NE¼SW¼ sec.17, T.20 S., R.17 W., 12.3 mi (19.8 km) southeast of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (152 mm), depth 24 ft (7.3 m), cased to 14 ft (4.3 m).

DATUM.--Land-surface datum is about 150 ft (45.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.2 ft (1.58 m) above land-surface datum.

PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.35 ft (1.936 m) below land-surface datum, Jan. 31, 1979; lowest measured, 17.60 ft (5.365 m) below land-surface datum, Oct. 3, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 4	11.80	FEB 11	11.82	MAY 11	11.79	AUG 7	13.06

CLAY COUNTY

333351088320301. Local number J97. (USCE 111A)

LOCATION.--Lat 33°35'51", long 88°32'03", Hydrologic Unit 03160101, SW¼SW¼ sec.26, T.17 S., R.7 E., 7.2 mi (11.6 km) southeast of West Point.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 110 ft (33.5 m), cased to 100 ft (30.5 m).

DATUM.--Land-surface datum is about 180 ft (54.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.3 ft (0.09 m) above land-surface datum.

PERIOD OF RECORD.--September 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.00 ft (3.658 m) below land-surface datum, Mar. 22, 1973; lowest measured, 23.20 ft (7.071 m) below land-surface datum, Nov. 4, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
LOWEST LEVELS

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 4	23.20	JAN 12	23.14	FEB 11	22.49	MAY 18	21.39	AUG 7	22.53

333402088301001. Local number J98. (USCE 112A)

LOCATION.--Lat 33°40'20", long 88°30'10", Hydrologic Unit 03160101, NE¼SE¼ sec.30, T.17 S., R.8 E., 8.8 mi (14.2 m) southeast of West Point.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (102 mm), depth 58 ft (17.7 m), cased to 48 ft (14.6 m).

DATUM.--Land-surface datum is about 190 ft (57.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.7 ft (0.21 m) above land-surface datum.

PERIOD OF RECORD.--September 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.80 ft (1.463 m) below land-surface datum, Apr. 22, 1973; lowest measured, 12.63 ft (3.850 m) below land-surface datum, Nov. 15, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.80	11.70	11.13	10.73	10.41						---	11.78
10	11.83	11.68	10.99	10.68	---						11.34	11.84
15	11.90	11.65	10.89	10.66	---						11.45	11.78
20	11.83	11.55	10.82	10.66	---						11.52	11.82
25	11.82	11.42	10.77	10.56	---						11.63	11.90
EQM	11.74	11.24	10.72	10.50	---						11.73	11.94

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

Analyses of samples collected statewide are given in the following table. The analyses for wells in a given county may not appear in the same location and the counties may not appear in alphabetical order due to tabling requirements necessitated by varying parameter lists. Analyses of samples collected at additional wells in the Tennessee-Tombigbee Study Area are found in the table "Analyses of Samples Collected in the Tennessee-Tombigbee Study Area, Mississippi."

AQUIFER NAMES OF GEOLOGIC UNIT CODES

AQUIFER NAMES CORRESPONDING TO GEOLOGIC UNITS LISTED IN THE QUALITY OF GROUND-WATER TABLES ARE GIVEN BELOW.

110	TRCS	UNDIFFERENTIATED TERRACE DEPOSITS, QUATERNARY
111	ALVM	HOLOCENE ALLUVIUM, HOLOCENE
111	TRCS	UNDIFFERENTIATED TERRACE DEPOSITS, HOLOCENE
112	MRVA	MISSISSIPPI RIVER ALLUVIAL AQUIFER, PLEISTOCENE
121	GRMF	GRAHAM FERRY FORMATION, PLEISTOCENE
122	CTHL	LOWER CATAHOULA FORMATION, MIOCENE
122	MOCN	MIOCENE SERIES, MIOCENE
122	PCGL	PASCAGOULA FORMATION, MIOCENE
123	FRHL	FOREST HILL SAND, OLIGOCENE
124	CCKF	COCKFIELD FORMATION, EOCENE
124	SPRT	SPARTA SAND, EOCENE
124	WLCXL	LOWER WILCOX AQUIFER, EOCENE
211	COFF	COFFEE SAND, UPPER CRETACEOUS
211	COKR	COKER FORMATION, UPPER CRETACEOUS
211	EUTW	EUTAW FORMATION, UPPER CRETACEOUS
211	EUTWL	LOWER EUTAW FORMATION, UPPER CRETACEOUS
211	EUTWR	EUTAW FORMATION (RESTRICTED), UPPER CRETACEOUS
211	GORD	GORDO FORMATION, UPPER CRETACEOUS
211	MCSN	MCSHAN FORMATION, UPPER CRETACEOUS
211	MSSV	MASSIVE SAND, UPPER CRETACEOUS
211	RPLY	RIPLEY FORMATION, UPPER CRETACEOUS
300	PLZC	PALEOZOIC ERATHEN, PALEOZOIC
331	TCMB	TUSCUMBIA LIMESTONE, UPPER MISSISSIPPIAN
337	FRPN	FORT PAYNE CHERT, LOWER MISSISSIPPIAN

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

STATION NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DEPTH OF WFL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)
FORREST									
312152089140702	C068 PETAL	122CTHL	708	81-02-27	1300	200	8.1	22.5	<5
HANCOCK									
302257089360501	H042 U S AMMO PLT	122MOCN	680	81-04-09	1600	466	8.5	25.0	10
HINDS									
322024090223702	F042 LAKERIDGE	123FRHL	252	81-03-27	1400	756	8.0	20.5	5
JACKSON									
302247088302901	Q420 PASCAGOULA	121GRMF	346	81-03-20	1030	983	8.3	23.0	20
			346	81-08-27	1415	890	7.7	23.5	--
KEMPER									
323629088472401	R031 NW KEMPER W A	124WLCXL	463	80-12-05	1300	64	5.4	21.0	10
MADISON									
322520090053501	W062 PEARL R WTR DIST	124CCKF	667	81-08-20	1100	620	7.6	24.5	<1
322818090032901	W045 PEARL R WTR DIST	124CCKF	610	81-08-19	1430	500	6.8	24.0	<1
323120089583002	U016 PEARL R WTR DIST	124CCKF	502	81-08-19	1415	345	6.9	22.0	5
323544089502501	O018 PEARL R WTR DIST	124CCKF	304	81-08-20	1230	114	7.1	20.5	100
RANKIN									
322249089582101	G043 PEARL R WTR DIST	124SPRT	1190	81-08-19	1115	300	7.4	29.0	70
322258090022601	F057 PEARL R WTR DIST	124CCKF	711	81-08-19	0850	490	7.1	25.0	<1
322302090020201	G024 PEARL R WTR DIST	124CCKF	631	81-08-19	1000	485	7.2	24.0	<1
322320090015301	G026 PEARL R WTR DIST	124CCKF	690	81-08-19	0915	505	7.2	25.0	5
322956089552701	A010 PEARL R WTR DIST	124CCKF	492	81-08-19	1250	316	6.5	22.5	20
323002089552801	A021 PEARL R WTR DIST	124CCKF	490	81-08-19	1250	308	6.7	21.5	40

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

STATION NUMBER	DATE OF SAMPLE	HARD- NESS (MG/L AS CaCO3)	HARD- NESS NONCAR- BONATE (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE FET-FLD (MG/L AS HCO3)	CAR- BONATE FET-FLD (MG/L AS CO3)
FORREST											
312152089140702	81-02-27	28	.00	6.4	2.8	34	70	2.8	3.5	110	0
HANCOCK											
302257089360501	81-04-09	2	.00	.6	.1	110	99	35	.3	260	0
HINDS											
322024090223702	81-03-27	130	.00	34	12	120	64	4.5	9.4	340	0
JACKSON											
302247088302901	81-03-20	13	--	2.4	1.7	260	97	31	3.6	--	--
	81-08-27	14	--	2.5	1.8	210	--	25	--	--	--
KEMPER											
323629088472401	80-12-05	16	.00	3.1	1.9	4.4	35	.5	2.0	20	0
MADISON											
322520090053501	81-08-20	6	--	1.4	.5	150	97	28	2.7	--	--
322818090032901	81-08-19	31	.00	7.1	3.3	96	86	7.5	3.1	220	0
323120089583002	81-08-19	58	.00	16	4.5	49	63	2.8	2.9	140	0
323544089502501	81-08-20	34	.00	11	1.7	8.9	34	.7	2.3	59	0
PANKIN											
322249089582101	81-08-19	3	.00	.9	.2	74	97	18	1.7	180	0
322258090022601	81-08-19	14	.00	3.3	1.4	98	93	11	2.3	240	0
322302090020201	81-08-19	14	.00	3.3	1.3	120	94	14	2.6	240	0
322320090015301	81-08-19	17	.00	3.9	1.7	120	93	13	3.1	250	0
322956089552701	81-08-19	64	.00	18	4.7	44	58	2.4	3.3	110	0
323002089552801	81-08-19	61	.00	17	4.5	45	60	2.5	3.2	130	0

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

STATION NUMBER	DATE OF SAMPLE	ALKALINITY LAB (MG/L AS CaCO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	IRON, DIS-SOLVED (UG/L AS FF)	MANGANESE, DIS-SOLVED (UG/L AS MN)
FURREST											
312152089140702	81-02-27	90	1.4	9.2	1.6	.2	12	137	124	130	30
HANCOCK											
302257089360501	81-04-09	213	1.3	11	13	.5	21	283	285	30	6
HINDS											
322024090223702	81-03-27	279	5.4	83	30	<.1	20	468	476	260	20
JACKSON											
302247088302901	81-03-20	--	--	3.3	120	1.2	23	568	--	20	10
	81-08-27	--	--	2.3	130	--	--	--	--	--	--
KEMPER											
323629088472401	80-12-05	16	127	7.1	3.0	.1	18	48	50	2700	40
MADISON											
322520090053501	81-08-20	--	--	53	35	.2	19	380	--	30	8
322818090032901	81-08-19	180	56	35	15	.1	39	327	307	520	130
323120089583002	81-08-19	115	28	35	8.7	.1	56	245	241	2900	160
323544089502501	81-08-20	48	7.5	5.3	4.2	.1	49	114	112	9300	200
RANKIN											
322249089582101	81-08-19	148	11	8.6	1.5	<.1	47	216	223	240	20
322258090022601	81-08-19	197	31	34	15	.2	33	314	275	190	30
322302090020201	81-08-19	197	24	36	16	.2	31	325	329	100	20
322320090015301	81-08-19	205	25	36	16	.1	29	330	333	420	90
322956089552701	81-08-19	90	56	53	9.5	.1	57	248	244	2500	180
323002089552801	81-08-19	107	42	37	10	.1	57	249	252	14000	350

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)		
QUITMAN											
342451090140201	C047 WALTER MAYO	124SPRT	280	80-10-22	1530	239	6.5	19.5	0		
			280	81-04-29	1100	243	6.5	20.5	<5		
342804090125301	A040 HARRY JOHNSON	112MRVA	30	80-10-22	1600	310	6.8	17.5	2		
			30	81-04-29	1000	310	6.8	17.5	5		
STATION NUMBER	DATE OF SAMPLE	HARD- NESS (MG/L AS CaCO3)	HARD- NESS MONCAR- BONATE (MG/L AS CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY LAB (MG/L AS CaCO3)	SULFATE DIS- SOLVED (MG/L AS SO4)
QUITMAN											
342451090140201	80-10-22	90	.00	22	8.6	9.0	17	.4	6.5	110	8.9
	81-04-29	95	.00	23	9.2	9.4	17	.4	6.3	110	9.0
342804090125301	80-10-22	130	.00	31	12	9.1	13	.4	1.0	140	.1
	81-04-29	140	.00	34	14	11	14	.4	1.0	150	2.3
STATION NUMBER	DATE OF SAMPLE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)
QUITMAN											
342451090140201	80-10-22	5.8	.0	60	204	194	0	2	0	5	1
	81-04-29	1.5	<.1	64	191	197	--	--	--	--	--
342804090125301	80-10-22	4.8	.2	38	200	188	0	2	0	4	25
	81-04-29	5.6	.3	43	202	210	--	--	--	--	--
STATION NUMBER	DATE OF SAMPLE	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
QUITMAN											
342451090140201	80-10-22	2	6900	2	30	120	<.1	3	0	10	.6
	81-04-29	--	8100	--	--	140	--	--	--	--	--
342804090125301	80-10-22	1	7000	2	5	640	<.1	3	0	20	1.2
	81-04-29	--	7600	--	--	700	--	--	--	--	--

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

STATION NUMBER	LOCAL IDENT- J- FIR	GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
ALCORN									
34560008442601	E003 MATHIS	211RPLY	125	81-01-08	1600	40	5.0	17.0	10.0
BENTON									
345100089104803	H010 ASHLAND	211RPLY	920	81-01-07	0900	309	7.7	22.0	--
LOWMEDES									
333732088263602	A010 COLUMBUS AFB #2	211GORD	442	81-01-09	1330	122	6.4	19.0	--
333930088283008	A019 COLUMBUS AFB RECEIV	211EUTW	125	81-01-09	1600	65	5.3	19.0	3.2
MARSHALL									
345220089462301	D005 BYHALIA	211RPLY	1640	81-01-07	1400	760	8.7	26.5	.4
MOXBEE									
330528088443001	L006 MASHULAVILLE	211COKR	1830	81-01-11	1030	1200	7.8	31.0	--
331145088370401	H002 ABRAMS	211EUTWR	868	81-01-10	0830	1340	8.6	20.5	--
331308088365101	C040 H MILLER	211MSSV	1620	81-01-10	1400	171	7.8	24.5	--
331357088340802	C020 BUTLER	211EUTWR	708	81-01-11	1500	1260	8.5	20.5	--
331357088345202	C007 BROOKSVILLE	211EUTW	942	81-01-12	1000	300	8.3	25.0	.3
331528088370701	B013 HOFFMAN	211MCSN	760	81-01-10	1100	1260	8.3	21.0	--
331531088334101	C018 BLACK BELT EXP STA	211COKR	1290	81-01-12	1400	205	7.7	25.0	1.8
PRENTISS									
344455088214001	D018 HOLCUT CAIRO W A	211GORD	305	81-01-09	0830	130	6.6	16.5	--
TIPPAH									
345657088534901	B007 WALNUT	211RPLY	147	81-01-08	1400	335	7.6	17.5	.4
345724088540001	B011 WALNUT	211COFF	961	81-01-06	1200	270	8.2	22.0	--
TISHOMINGO									
345145088173201	B034 USCE OFFICE	211EUTW	100	81-01-08	1000	30	5.3	15.5	13.0

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

STATION	NUMBER	DATE OF SAMPLE	NITRO- GEN DIS- SOLVED (MG/L AS N)	HARD- NESS (MG/L AS CAC(13)	HARD- NESS, NONCAP- MONATE (MG/L CAC(13)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE FET-FLD (MG/L AS HCO3)
ALCUP												
345600088482601	81-01-08		.89	6	1	1.3	.6	2.0	41	.4	.5	6
BENTON												
345100089104803	81-01-07		.27	140	0	47	4.8	8.4	12	.3	1.9	190
LOWNDES												
333732088263602	81-01-09		--	26	0	6.5	2.2	3.9	21	.4	5.1	71
333930088283008	81-01-09		--	8	2	2.1	.7	6.0	59	.9	.6	8
MARSHALL												
345220089462301	81-01-07		--	5	0	1.3	.3	190	99	42	1.4	480
MOXBEE												
330528088443001	81-01-11		--	30	0	9.0	1.7	260	94	22	3.6	200
331145088370401	81-01-10		--	9	0	2.3	.8	320	98	50	2.9	480
331308088365101	81-01-10		.40	47	0	14	2.9	12	33	.8	4.7	90
331357088340802	81-01-11		--	9	0	2.3	.8	290	98	46	3.1	470
331357088345202	81-01-12		--	5	0	1.2	.4	57	95	13	1.4	130
331528088370701	81-01-10		.45	22	0	5.1	2.2	310	96	32	4.0	400
331531088334101	81-01-12		--	16	0	4.6	1.0	26	74	3.0	3.3	80
PRENTISS												
344455088214001	81-01-09		1.2	27	0	8.1	1.6	3.7	21	.3	2.6	71
TIPPAH												
345657088534901	81-01-08		--	170	0	58	4.9	2.4	3	.1	1.5	210
345724088540001	81-01-06		.24	92	0	25	6.9	18	29	.9	4.8	150
TISHOMINGO												
345145088173201	81-01-08		--	6	0	.9	.8	1.9	36	.4	1.4	8

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

STATION NUMBER	DATE OF SAMPLE	CAR- BONATE FET-FLD (MG/L AS CO3)	ALKA- LINITY FIELD (MG/L AS CaCl2)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFIDE TOTAL (MG/L AS S)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	IODIDE, DIS- SOLVED (MG/L AS I)	SILICA, DIS- SOLVED (MG/L AS SiO2)
ALCORN											
345600088482601	81-01-08	0	5	96	--	<.1	1.9	<.1	<.01	.500	16
BEETON											
345100089104803	81-01-07	0	160	6.1	<.5	8.6	1.4	.2	<.01	<.001	19
LOANDES											
333732088263602	81-01-09	0	58	51	<.5	.7	1.8	.2	<.01	<.001	11
333930088283008	81-01-09	0	7	64	--	<.1	10	.1	<.01	<.001	14
MARSHALL											
345220089462301	81-01-07	8	410	1.6	<.5	5.0	1.4	.4	<.01	<.001	13
MOXURIE											
330528088443001	81-01-11	0	160	4.7	.5	<.1	290	.4	1.8	<.001	14
331145088370401	81-01-10	5	400	2.0	<.5	.8	180	2.6	1.0	<.001	11
331308088365101	81-01-10	0	74	2.6	<.5	2.4	2.9	.1	<.01	<.001	13
331357088340802	81-01-11	4	390	2.4	.6	<.1	160	2.5	1.1	.500	11
331357088345202	81-01-12	0	110	1.1	<.5	.7	21	.2	<.01	<.001	12
331528088370701	81-01-10	0	320	3.2	<.5	180	100	2.7	.60	<.001	10
331531088334101	81-01-12	0	66	2.9	<.5	3.7	3.4	<.1	<.01	<.001	13
PRENTISS											
344455088214001	81-01-09	0	58	29	--	7.0	1.1	.3	<.01	<.001	25
TIPPAH											
345657088534901	81-01-08	0	180	9.7	--	5.8	1.1	<.1	<.01	<.001	24
345724088540001	81-01-06	0	120	1.7	<.5	18	2.3	.1	<.01	<.001	13
TISHOMINGO											
345145088173201	81-01-08	0	7	72	--	2.5	1.1	<.1	<.01	<.001	26

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

STATION	NUMBER	DATE OF SAMPLE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, VOLATILE, DIS- SOLVED (MG/L)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH ₄)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)
ALCORN												
345600088482601		81-01-08	34	20	10	.79	--	.010	.01	--	.09	--
BENTON												
345100089104803		81-01-07	184	186	12	.08	--	.170	.22	--	.02	--
LOWNDES												
333732088263602		81-01-09	58	79	10	.05	--	.030	.04	--	--	--
333930088283008		81-01-09	47	42	14	.92	--	.010	.01	--	--	--
MARSHALL												
345220089462301		81-01-07	470	458	30	.03	.480	--	--	--	--	.31
MOXUREE												
330528088443001		81-01-11	666	680	20	.02	.510	--	--	.00	--	.51
331145088370401		81-01-10	762	764	18	<.01	--	.230	.30	--	.54	--
331308088365101		81-01-10	97	98	18	.03	--	.490	.63	--	.00	--
331357088340802		81-01-11	701	708	15	<.01	.220	--	--	.55	--	.77
331357088345202		81-01-12	162	158	11	.01	.090	--	--	--	--	.02
331528088370701		81-01-10	795	815	28	.06	--	.430	.55	--	.00	--
331531088334101		81-01-12	95	95	19	<.01	.010	--	--	.00	--	.01
PRENTISS												
344455088214001		81-01-09	67	102	8	.01	--	1.30	1.7	--	.00	--
TIPPAH												
345657088534901		81-01-08	202	202	10	<.01	--	.010	.01	--	--	--
345724088540001		81-01-06	165	164	27	.01	--	.220	.28	--	.01	--
TISHOMINGO												
345145088173201		81-01-08	40	39	6	.06	--	.010	.01	--	--	--

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

STATION	NUMBER	DATE OF SAMPLE	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BF)	BORON, DIS- SOLVED (UG/L AS B)	CADMIUM, DIS- SOLVED (UG/L AS CD)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
ALCONA												
345600088462601		81-01-08	.10	<.010	10	10	1	<5	1	3	10	11
BENTON												
345100089104803		81-01-07	.19	.010	<10	50	<1	<5	2	<3	<10	280
LOWMEDES												
333732088263602		81-01-09	<.10	.400	<10	110	<1	<5	5	<3	<10	12000
333930088283008		81-01-09	<.10	<.010	<10	30	<1	20	1	<3	<10	100
MARSHALL												
345220089462301		81-01-07	--	.110	<10	8	<1	440	3	<3	<10	14
NOXUBEE												
330528088443001		81-01-11	--	<.010	10	70	<1	200	<1	<3	<10	170
331145088370401		81-01-10	.77	.120	<10	10	<1	640	3	<3	<10	18
331308088365101		81-01-10	.37	<.010	10	80	<1	10	3	<3	<10	170
331357088340802		81-01-11	--	.090	10	20	<1	500	3	<3	<10	22
331357088345202		81-01-12	--	.050	40	10	<1	40	3	<3	<10	69
331528088370701		81-01-10	.39	.020	70	20	<1	2000	2	<3	<10	19
331531088334101		81-01-12	--	.010	<10	30	<1	10	3	<3	<10	160
PRENTISS												
344455088214001		81-01-09	1.2	.780	<10	50	<1	<5	5	<3	<10	15000
TIPPAH												
345657088534901		81-01-08	<.10	.010	<10	40	<1	<5	3	<3	<10	660
345724088540001		81-01-06	.23	.010	<10	200	<1	30	2	<3	<10	52
TISHOMINGO												
345145088173201		81-01-08	<.10	<.010	20	7	<1	<5	4	<3	<10	41

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

STATION NUMBER	DATE OF SAMPLE	LEAD, DIS-SOLVED (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)	MANGANESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	MOLYBDENUM, DIS-SOLVED (UG/L AS MO)	SILICA, DIS-SOLVED (UG/L AS SE)	STRONTIUM, DIS-SOLVED (UG/L AS SR)	VANADIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT)
ALCORN											
345600088482601	81-01-08	16	4	1	<.1	10	<1	4	6.0	4	2.2
BENTON											
345100089104803	81-01-07	16	5	22	<.1	<10	<1	460	<6.0	<4	<5.9
LINDEN											
333732088263602	81-01-09	20	9	160	<.1	<10	<1	250	<6.0	<4	4.2
333930088283008	81-01-09	17	<4	20	<.1	<10	<1	130	<6.0	43	<.8
MARSHALL											
345220089462301	81-01-07	22	37	4	<.1	<10	<1	52	<6.0	<4	<11
MOORE											
330528088443001	81-01-11	<10	22	14	.2	<10	<1	400	<6.0	<4	<16
331145088370401	81-01-10	19	12	2	<.1	<10	<1	220	<6.0	<4	<19
331308088365101	81-01-10	16	14	87	<.1	<10	<1	310	<6.0	6	<2.0
331357088340802	81-01-11	20	11	3	.2	<10	<1	230	<6.0	<4	<15
331357088345202	81-01-12	15	6	5	<.1	<10	<1	60	<6.0	<4	<3.3
331528088370701	81-01-10	21	15	<1	<.1	<10	<1	480	<6.0	<4	<19
331531088334101	81-01-12	20	7	16	<.1	<10	<1	170	<6.0	<4	<2.3
PRENTISS											
344455088214001	81-01-09	<10	15	550	<.1	<10	<1	70	8.0	<4	<2.1
TIPPAH											
345657088534901	81-01-08	26	11	19	<.1	<10	<1	220	<6.0	<4	<5.0
345724088540001	81-01-06	22	20	50	<.1	<10	<1	1300	<6.0	<4	<4.0
TISHOMINGO											
345145088173201	81-01-08	19	<4	8	<.1	<10	<1	6	<6.0	16	<.7

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

STATION NUMBER	DATE OF SAMPLE	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/ YT-90)	CARBON-14, DISS AP- FARENT AGE (YEARS HP)	C-13/ C-12 STABLE ISOTOPE RATIO PER MTL	H-2/ H-1/ STABLE ISOTOPE RATIO PER MILL	O-18/ O-16 STABLE ISOTOPE RATIO PER MTL	TRITIUM TOTAL (PCI/L)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)
ALCORN										
345600088482601	81-01-08	1.7	1.6	1200	-19.3	-30.0	-5.0	43	1.2	.8
RENTON										
345100089104803	81-01-07	<4.1	<3.9	14400	-13.2	-30.0	-5.2	3.0	--	1.6
LOWNDES										
333732088263602	81-01-09	6.5	6.2	16200	-18.3	-28.0	-5.0	3.0	17	.6
333930088283008	81-01-09	.6	.6	--	--	-27.5	-4.5	82	--	.5
MARSHALL										
345220089462301	81-01-07	<5.6	<5.4	29800	-12.1	-32.0	-5.6	1.0	--	.8
NOXURIE										
330528088443001	81-01-11	<10	<9.6	33500	-15.9	-32.5	-5.5	1.0	27	1.2
331145088370401	81-01-10	<10	<9.8	13300	-9.6	-30.5	-5.4	5.0	--	1.1
331308088365101	81-01-10	4.2	4.1	19700	-16.3	-30.0	-5.3	1.0	--	.6
331357088340802	81-01-11	<9.0	<8.7	31300	-8.2	-30.5	-5.4	3.0	--	1.5
331357088345202	81-01-12	<2.0	<1.9	21600	-17.5	-32.5	-5.4	2.0	--	.4
331528088370701	81-01-10	<10	<9.8	22100	-5.2	-28.5	-5.1	3.0	--	2.2
331531088334101	81-01-12	3.2	3.1	7700	-19.6	-29.5	-5.0	3.0	--	.4
PRENTISS										
344455088214001	81-01-09	2.4	2.3	4200	-18.7	-32.0	-5.3	6.0	--	1.6
TIPPAH										
345657088534901	81-01-08	<2.4	<2.3	10900	-12.4	-29.0	5.2	3.0	--	9.9
345724088540001	81-01-06	4.1	4.0	28800	-16.3	-33.5	-5.6	3.0	--	.4
TISHOMINGO										
345145088173201	81-01-08	1.2	1.2	--	--	-30.0	-5.1	99	--	.4

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	HARDNESS (MG/L AS CaCO3)
CALHOUN									
334417089221101	M028 SLATE SPRINGS W A	211GORD	2190	81-07-22	1210	1340	7.7	32.0	32
335227089111201	L004 VARDAMAN	211COKR	1911	81-07-22	1330	925	8.0	30.0	68
335633089195801	G002 PITTSBURD	211EUTWR	1775	81-07-22	1425	1010	7.8	32.0	16
CLARKE									
310912088470201	M058 HARMONY	124SPRT	306	81-08-06	1030	495	8.7	21.0	6
320335088393601	H004 EAST QUITMAN W A	124SPRT	320	81-08-06	0830	150	6.5	20.0	49
320338088434401	G130 QUITMAN	124WLCL	1869	81-08-06	0945	1220	8.2	32.0	10
321046088461401	B088 HARMONY W A	124WLCL	1384	81-08-06	1200	335	8.0	28.0	5
HANCOCK									
301343089340201	L001 HANCOCK COUNTY	122PCGL	2003	81-08-24	1615	650	--	--	12
301801089260901	K031 GEORGE RUIZ	121GRMF	800	81-08-24	1750	499	9.0	30.5	2
301900089201801	K004 BAY ST LOUIS	122PCGL	1210	81-08-24	1500	700	8.8	31.0	1
302205089223001	K221 DIAMONDHEAD	121GRMF	693	81-08-25	0845	265	8.6	26.5	3
HARRISON									
301242088580701	M622 USNPS SHIP ISLAND	121GRMF	436	81-09-10	1225	480	--	--	4
301345088534501	M001 MISS PARK COMM	121GRMF	727	81-09-10	1445	400	9.0	27.0	3
301830089162502	N002 PASS CHRISTIAN	121GRMF	1002	81-08-25	1015	600	9.0	27.0	3
301936089142403	O006 PASS CHRISTIAN	121GRMF	891	81-08-25	1045	450	8.9	27.5	2
302059089090601	O268 LONG REACH	121GRMF	876	81-08-25	1135	245	8.4	27.0	3
302206089074505	L017 GULFPORT	121GRMF	848	81-08-25	1330	260	7.8	27.0	2
302230089034202	L015 GULFPORT	121GRMF	752	81-08-25	1400	265	8.6	26.5	1
302336089045404	L016 GULFPORT	121GRMF	815	81-08-25	1430	270	8.7	26.0	1
302342088563003	M004 BILOXI	122PCGL	1200	81-08-26	0900	526	8.9	29.0	1
302350088570501	M351 BILOXI	121GRMF	846	81-08-26	1045	400	9.2	28.0	2
302352089015701	M644 GULFPORT	121GRMF	820	81-08-25	1500	450	9.0	27.0	1
302410088533607	M006 BILOXI HOSPITAL	121GRMF	463	81-08-26	0930	310	8.8	25.0	1
302455088584001	M033 BILOXI	121GRMF	700	81-08-26	1100	320	8.8	27.0	1
302456088541304	M550 BILOXI	121GRMF	634	81-08-26	1000	280	8.1	26.0	1
JACKSON									
301405088411201	O049 USNPS HORN ISLAND	122PCGL	836	81-09-10	1630	760	--	--	3
302104088292701	Q137 STANDARD OIL CO	121GRMF	387	81-09-09	1540	1100	8.1	24.0	24
302115088330404	P150 PASCAGOULA	122PCGL	785	81-08-27	1300	1300	8.7	27.0	8

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

STATION	NUMBER	DATE OF SAMPLE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AND SULFATE RATIO	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
CALHOUN									
334417089221101		81-07-22	10	1.7	270	21	2.4	310	--
335227089111201		81-07-22	20	4.3	180	9.5	1.1	230	--
335633089195801		81-07-22	5.1	.7	220	24	1.7	210	--
CLARKE									
310912088470201		81-08-06	1.7	.5	130	23	27	5.3	.01
320335088393601		81-08-06	17	1.7	16	1.0	4.5	2.9	.03
320338088434401		81-08-06	2.8	.8	280	38	1.1	280	--
321046088461401		81-08-06	1.4	.3	67	13	2.5	23	--
HANCOCK									
301343089340201		81-08-24	4.4	.2	140	18	4.5	48	--
301801089260901		81-08-24	.6	.1	120	38	5.3	24	--
301900089201801		81-08-24	.3	.1	160	65	1.6	36	--
302205089223001		81-08-25	1.1	.1	62	15	8.9	3.6	--
HARRISON									
301242088580701		81-09-10	1.4	.1	110	24	5.2	22	--
301345088534501		81-09-10	.8	.2	98	25	11	5.6	--
301830089162502		81-08-25	1.0	.2	140	33	3.7	32	--
301936089142403		81-08-25	.6	.1	120	38	5.1	16	--
302059089090601		81-08-25	1.2	.1	56	13	8.6	3.8	--
302206089074505		81-08-25	.6	.1	61	19	8.6	4.3	--
302230089034202		81-08-25	.1	.1	64	34	11	4.0	--
302336089045404		81-08-25	.2	.1	64	29	9.6	3.2	--
302342088563003		81-08-26	.3	.1	120	48	7.0	49	--
302350088570501		81-08-26	.5	.1	93	31	11	12	--
302352089015701		81-08-25	.4	.1	110	40	8.7	10	--
302410088533607		81-08-26	.2	.1	67	41	8.7	3.8	--
302455088584001		81-08-26	.1	.1	79	42	11	4.7	--
302456088541304		81-08-26	.3	.1	80	32	8.0	4.2	--
JACKSON									
301405088411201		81-09-10	1.1	.1	160	39	3.2	83	--
302104088292701		81-09-09	4.3	3.1	240	22	4.6	200	--
302115088330404		81-08-27	2.7	.3	300	46	2.1	280	--

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

STATION NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	HARDNESS (MG/L AS CaCO3)
JACKSON									
302122088312401	0164 PASCAGOULA	122PCGL	632	81-08-27	1335	1510	8.4	27.0	9
302149088340601	P108 JACKSON COUNTY	122PCGL	783	81-08-27	1130	1420	8.7	27.0	11
302150088383101	0053 SEASHORE HTL	122PCGL	762	81-08-26	1430	900	8.6	23.0	5
302241088321701	P069 PASCAGOULA	121GRMF	302	81-08-27	1445	962	7.8	23.0	10
302247088302901	0420 PASCAGOULA	121GRMF	346	81-03-20	1030	983	8.3	23.0	13
			346	81-08-27	1415	890	7.7	23.5	14
302323088321801	P355 MOSS POINT	121GRMF	827	81-09-01	1400	1400	8.7	27.0	2
302404088312401	0417 MOSS POINT	122PCGL	802	81-09-01	1330	1280	8.8	27.0	2
302428088325101	P382 MOSS POINT	122PCGL	846	81-09-01	1420	1030	8.8	26.5	7
302439088474101	N074 OCEAN SPRINGS	121GRMF	525	81-08-27	0920	345	8.4	25.5	1
302445088334501	P229 MOSS POINT	122PCGL	890	81-09-01	1440	1200	8.8	26.5	2
302452088492201	N053 OCEAN SPRINGS	121GRMF	500	81-08-27	0845	345	8.8	25.5	1
JASPER									
320841088583801	D031 ROSE HILL W A	124WLCXL	1890	81-08-13	1315	380	8.3	32.0	8
KEMPER									
324942088281302	K005 SCODHA	211MCSN	1218	81-07-20	1145	4000	8.1	26.5	46
325244088493601	A009 N W KEMPER W A	124WLCXL	260	81-07-20	1030	26	5.3	18.5	6
LAFAYETTE									
341908089222801	L013 DENMARK W A	124WLCXL	230	81-07-22	1630	314	6.8	18.0	22
NOXUREE									
325846088340801	S011 SHUQUALAK	211GORD	1540	81-07-20	1400	1350	7.8	27.5	27
OKTIBBEHA									
332045089023301	J005 STURGIS	211GORD	2072	81-07-21	1125	1410	8.0	33.0	25
332225088584201	F024 BRADLEY W A	211GORD	1834	81-07-21	1415	1680	8.3	29.0	23
333333089043202	A009 MAHEN	211GORD	2061	81-07-21	1530	1100	7.9	32.0	47
WASHINGTON									
331351091024101	K015 RIVERSIDE W A	124SPRT	1164	81-07-13	1635	1500	8.7	27.0	3
331855091074901	G002 REFUGE PLANTING CO	112MRVA	110	81-07-14	1100	760	6.8	19.0	390
331912091022701	G062 WASHINGTON COUNTY	124CCKF	470	81-07-14	0800	1800	8.5	20.5	5
332228091045401	D033 U S GEO SURVEY	124SPRT	890	81-07-14	1000	1800	8.4	20.5	4
332344091022101	D038 GREENVILLE	124CCKF	622	81-07-14	0835	825	8.6	22.0	2
WEBSTER									
333017089202901	M008 EUPORA	124WLCXL	340	81-07-21	1635	320	8.3	19.0	9
333221089072701	J004 MATHISON	211COKR	2235	81-07-22	0945	1160	7.8	33.5	51
334034089193301	B001 BELLEFONTAINE	211GORD	2366	81-07-22	1045	1320	7.9	34.5	25
WINSTON									
330304088532801	M011 ELLISON RIDGE	124WLCXL	188	81-07-20	1645	29	5.1	18.5	5
330744088573801	F001 BOND W A	124WLCXL	206	81-07-21	0830	30	5.4	19.5	6

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

STATION NUMBER	DATE OF SAMPLE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM DIS-SOLVED (MG/L AS MG)	SODIUM DIS-SOLVED (MG/L AS NA)	SODIUM AN-ION-SORP-TION RATIO	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)
JACKSON								
302122088312401	81-08-27	2.9	.4	350	51	3.7	380	--
302149088340601	81-08-27	3.6	.4	330	44	46	320	--
302150088383101	81-08-26	1.5	.2	230	47	2.9	100	--
302241088321701	81-08-27	1.8	1.3	240	38	4.5	150	--
302247088302901	81-03-20	2.4	1.7	260	31	3.3	120	--
	81-08-27	2.5	1.8	210	25	2.3	130	--
302323088321801	81-09-01	.8	.1	290	81	1.0	240	--
302404088312401	81-09-01	.7	.1	260	77	1.7	210	--
302428088325101	81-09-01	2.2	.3	220	37	1.3	170	--
302439088474101	81-08-27	.4	.1	80	29	9.2	4.2	--
302445088334501	81-09-01	.8	.1	250	70	1.7	210	--
302452088492201	81-08-27	.4	.1	49	36	3.2	8.7	--
JASPER								
320841088583801	81-08-13	2.4	.5	82	13	1.9	8.0	--
KEMPER								
324942088281302	81-07-20	11	4.6	810	52	5.2	1100	--
325244088493601	81-07-20	1.5	.6	2.2	.4	.1	2.3	.52
LAFAYETTE								
341908089222801	81-07-22	4.6	2.5	54	5.0	2.2	3.2	.01
MOXUREE								
325846088340801	81-07-20	8.3	1.5	270	23	1.7	320	--
OKTIBBEHA								
332045089023301	81-07-21	8.1	1.2	290	25	2.0	320	--
332225088584201	81-07-21	7.1	1.2	350	32	2.9	370	--
333333089043202	81-07-21	15	2.3	230	15	1.0	270	--
WASHINGTON								
331351091024101	81-07-13	.8	.2	360	93	4.1	220	--
331855091074901	81-07-14	110	27	12	.3	.1	5.1	.01
331912091022701	81-07-14	1.2	.4	400	81	2.8	410	--
332228091045401	81-07-14	1.0	.3	420	95	4.3	180	--
332344091022101	81-07-14	.5	.1	190	64	2.1	120	--
WEBSTER								
333017089202901	81-07-21	2.7	.6	86	12	2.5	12	.02
333221089072701	81-07-22	17	2.1	240	15	.8	320	--
334034089193301	81-07-22	8.0	1.1	290	26	2.2	310	--
WINSTON								
330304088532801	81-07-20	1.0	.6	3.3	.6	.6	2.8	1.2
330744088573801	81-07-21	1.4	.6	3.2	.6	.3	4.3	.54

QUALITY OF GROUND WATER

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

Analyses of samples collected in the Tennessee-Tombigbee Study Area, Mississippi, are given in the following table. This table includes analyses of samples collected from wells located in disposal areas consisting of excavated material from the Divide Cut Section of the Tenn-Tom Waterway. Also, a few miscellaneous analyses collected in the study area are found in the general table "Quality of Ground Water."

STATION	NUMREP	LOCAL IDENT- IFIER	GFO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALI UNITS)
ITAWAMPA										
34162108A255001	G070	USCF Gw104C	111ALVM	24	81-06-18	1005	87	6.5	16.5	1
34224508A232501	E006	USCF 64A	211GORD	106	81-06-10	1030	60	6.2	17.0	<1
34224508A232502	E004	USCF 64B	211EUTWR	40	81-06-10	1100	47	6.0	17.0	<1
LUMKES										
33335508A282502	C100	USCF 114B	111TRCS	47	81-06-12	1230	97	6.1	17.0	80
33335508A282503	C101	USCF 114C	211EUTW	92	81-06-12	1215	230	6.8	18.0	1
MONROE										
33511708A332801	L063	USCF 101A	211EUTW	90	81-06-12	1030	164	6.3	17.5	1
33511708A332802	L069	USCF 101B	110TRCS	20	81-06-12	1045	130	5.9	17.0	4
34001808A270701	C060	USCF 96A	211GORD	164	81-06-09	1130	87	6.3	19.5	5
34005408A281802	C067	USCF 95B	111ALVM	20	81-06-09	1400	62	6.3	19.5	<1
34040908A243802	C058	USCF 89B	211MCSN	45	81-06-09	1500	90	6.3	17.0	<1
34050408A241101	C051	USCF 84A	211GORD	170	81-06-09	1600	78	6.4	16.5	<1
PRENTISS										
34290008A201601	M016	USCF 53A	211GORD	35	81-06-17	1653	27	5.4	15.5	<1
34291108A205201	M019	USCF 52A	211GORD	40	81-06-17	1610	32	5.5	16.0	<1
34394908A335301	F011	BOONEVILLE	211EUTWL	486	81-06-11	1015	260	7.8	17.5	<1
34425108A323001	B034	THRASHER W A	211GORD	514	81-06-11	1300	280	7.7	18.0	1
34431008A320201	B033	THRASHER SCHOOL	211EUTWR	443	81-06-11	1400	260	7.6	17.5	<1

QUALITY OF GROUND WATER

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ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

STATION NUMBER	DATE OF SAMPLE	HARDNESS (MG/L AS CaCO_3)	HARDNESS (MG/L AS CaCO_3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	PERCENT SODIUM	SODIUM AD-SUPPLETION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CaCO_3)	SULFATE DIS-SOLVED (MG/L AS SO_4)
ITAWAMBA											
341621088255001	81-06-18	30	.00	8.9	2.0	5.9	23	.5	1.7	40	.7
342245088232501	81-06-10	22	4.0	6.5	1.4	1.6	13	.1	1.4	18	4.3
342245088232502	81-06-10	19	1.0	5.1	1.6	1.4	13	.1	1.1	18	3.6
LOWNDES											
333355088282502	81-06-12	33	.00	11	1.4	4.3	21	.3	2.4	33	7.3
333355088282503	81-06-12	44	.00	13	2.7	33	60	2.2	3.5	100	2.7
MONROE											
335117088332801	81-06-12	67	.00	20	4.1	5.0	13	.3	3.3	70	3.8
335117088332802	81-06-12	33	14	10	2.0	6.1	27	.5	2.0	19	9.6
340018088270701	81-06-09	31	.00	8.6	2.3	7.0	30	.5	3.8	37	1.4
340054088281802	81-06-09	11	5.0	2.1	1.5	8.1	54	1.0	3.0	6.0	8.9
340409088243802	81-06-09	32	.00	7.5	3.1	3.6	18	.3	2.8	37	4.3
340504088241101	81-06-09	25	.00	7.2	1.8	4.7	26	.4	2.5	30	2.9
PRENTISS											
342900088201601	81-06-17	8	4.0	2.8	.2	1.6	28	.3	1.0	4.0	2.9
342911088205201	81-06-17	9	1.0	2.1	.8	1.6	27	.2	.8	8.0	1.3
343949088335301	81-06-11	120	.00	36	6.9	5.4	9	.2	3.7	120	5.8
344251088323001	81-06-11	120	7.0	38	5.4	6.3	10	.3	3.6	110	9.6
344310088320201	81-06-11	110	2.0	36	5.3	6.8	11	.3	4.0	110	9.7

QUALITY OF GROUND WATER

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

STATION	NUMBER	DATE OF SAMPLE	CHLOR- RIDE, DIS- SOLVED (MG/L AS CL)	FLUOR- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SOLUBLE CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOVERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
ITAHAMMA											
341621088255001		81-06-18	8.9	<.1	15	78	91	.02	110000	87000	23000
342245088232501		81-06-10	1.2	.2	9.3	38	52	.03	15000	0	15000
342245088232502		81-06-10	2.1	<.1	16	44	54	.01	21000	9000	12000
LOWNDES											
333355088282502		81-06-12	2.4	.2	19	78	73	.05	13000	8100	4900
333355088282503		81-06-12	7.5	.3	18	160	142	.02	1300	730	570
MINKNE											
335117088332801		81-06-12	2.9	<.1	37	132	119	.04	450	420	30
335117088332802		81-06-12	16	<.1	18	103	78	.20	20000	18000	1600
340018088270701		81-06-09	4.6	<.1	16	62	77	.25	20000	11000	9500
340054088281802		81-06-09	9.5	<.1	13	52	56	1.3	73000	73000	190
340409088243802		81-06-09	2.3	.2	18	53	78	.03	12000	0	13000
340504088241101		81-06-09	1.8	<.1	9.8	47	63	.02	29000	15000	14000
PRENTISS											
342900088201601		81-06-17	2.1	<.1	9.8	26	26	.05	32000	30000	2400
342911088205201		81-06-17	3.9	<.1	9.3	27	26	.30	400	230	170
343949088335301		81-06-11	3.6	<.1	13	170	147	.01	370	210	160
344251088323001		81-06-11	8.6	<.1	16	170	154	.02	570	320	250
344310088320201		81-06-11	9.9	<.1	14	160	153	.02	710	130	580

QUALITY OF GROUND WATER

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ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

STATION NUMBER	DATE OF SAMPLE	MANGA- NESE, TOTAL RECUM- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENED RECIV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
ITAWAMBA				
341621088255001	81-06-18	2500	1400	1100
342245088232501	81-06-10	430	0	480
342245088232502	81-06-10	400	0	420
LOWNDES				
33335508822502	81-06-12	330	50	280
33335508822503	81-06-12	230	0	240
MONROE				
335117088332801	81-06-12	110	10	100
335117088332802	81-06-12	380	150	230
340018088270701	81-06-09	670	60	610
340054088281802	81-06-09	620	440	180
340409088243802	81-06-09	1100	0	1100
340504088241101	81-06-09	310	30	280
PRENTISS				
342900088201601	81-06-17	360	210	150
342911088205201	81-06-17	40	10	30
343949088335301	81-06-11	90	0	100
344251088323001	81-06-11	100	0	100
344310088320201	81-06-11	130	0	140

QUALITY OF GROUND WATER

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

STATION NUMBER	LOCAL IDENT- I- FIR	SFO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)
TISHOMINGO									
343614088103001	K001 TISHOMINGO PARK	331TCMB	150	81-06-17	1217	208	6.8	16.5	1
344017088180402	J018 USCF 31A	211GORD	178	81-06-11	1530	128	6.8	17.0	5
344017088180403	J019 USCF 31B	211EUTWR	74	81-06-11	1600	58	5.6	16.5	1
344228088173902	G041 USCF 23N	211EUTWL	200	81-06-10	1530	36	5.1	17.0	<1
344253088162802	G015 USCF 25A	211GORD	235	81-06-10	1700	55	6.4	17.5	<1
344253088162803	G016 USCF 25B	211EUTWR	200	81-06-10	1630	31	5.6	16.5	<1
344617088211901	D051 USCF 11D	211EUTW	210	81-06-16	1643	56	9.2	16.5	2
344638088200104	D042 USCF 12C	211EUTWR	88	81-06-16	1436	121	6.2	17.0	2
344834088111601	F001 H M BIGGS	211GORD	130	81-06-17	1100	78	6.7	15.0	1
344849088120401	E006 IUKA	337FRPN	360	81-07-07	1620	24	5.3	19.0	<1
344849088120403	E005 IUKA	337FRPN	378	81-06-17	1002	32	5.7	17.0	<1
345007088185801	D024 BURNSVILLE	300PLZC	246	81-06-17	0855	79	6.3	17.0	18

STATION NUMBER	STATION NAME	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)
TISHOMINGO						
343855088155380	J071 USCE 1704-A DISPOSAL AREA WELL	32	80-10-16	1100	155	6.1
		32	81-02-12	1300	150	6.6
		32	81-04-16	1200	155	5.5
		32	81-07-09	1045	292	5.5
343855088155381	J072 USCE 1704-B DISPOSAL AREA WELL	21	80-10-16	1030	1010	4.9
		21	81-04-16	1245	1170	4.9
		21	81-07-09	1035	1420	5.1
344047088171981	J070 USCE 1507-B DISPOSAL AREA WELL	19	80-10-16	1145	340	5.0
		19	81-02-12	1400	450	5.1
		19	81-04-16	1050	460	4.6
		19	81-07-09	1230	360	5.1
344154088173181	G091 USCF 1501-B DISPOSAL AREA WELL	30	80-10-16	1000	1860	4.6
		30	81-02-12	1100	3060	2.9
		30	81-04-16	0945	3360	3.2
		30	81-07-09	1000	3070	3.9
345428088161980	R032 USCE 602A-A DISPOSAL AREA WELL	34	80-10-16	0900	146	6.0
		34	81-02-12	0915	419	6.1
		34	81-04-16	0810	600	6.0
		34	81-07-09	0840	162	6.0

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

STATION NUMBER	DATE OF SAMPLE	HARDNESS (MG/L AS CaCO ₃)	HARDNESS NONCARBONATE (MG/L AS CaCO ₃)	ACIDITY (MG/L AS H)	ACIDITY (MG/L AS CaCO ₃)	CALCIUM SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)
TISHOMINGO											
343614088103001	81-06-17	90	.00	--	--	31	3.0	4.9	11	.2	.9
344017088180402	81-06-11	16	.00	.2	10	5.7	.4	19	64	2.1	6.0
344017088180403	81-06-11	15	6.0	.5	25	3.9	1.2	2.2	22	.3	1.6
344228088173902	81-06-10	12	.00	.3	15	3.1	1.1	3.1	31	.4	1.9
344253088162802	81-06-10	16	.00	.3	15	4.5	1.1	3.5	29	.4	2.1
344253088162803	81-06-10	9	5.0	.1	5.0	2.0	1.0	1.6	25	.2	1.1
344617088211901	81-06-16	19	.00	--	--	6.1	.8	2.6	21	.3	2.0
344638088200104	81-06-16	40	.00	.1	5.0	12	2.4	5.2	21	.4	3.1
344834088111601	81-06-17	29	.00	.3	15	9.9	1.5	1.8	7	.1	1.6
344849088120401	81-07-07	8	.00	.1	5.0	2.0	.7	1.0	20	.2	.7
344849088120403	81-06-17	11	4.0	.1	5.0	3.1	.9	1.2	17	.2	.8
345007088185801	81-06-17	28	1.0	.2	10	8.4	1.7	1.2	3	.1	1.6

STATION NUMBER	DATE OF SAMPLE	TEMPERATURE (DEG C)	COLOR (PLATINUM-COHALT UNITS)	HARDNESS (MG/L AS CaCO ₃)	HARDNESS NONCARBONATE (MG/L AS CaCO ₃)	ACIDITY (MG/L AS H)	ACIDITY (MG/L AS CaCO ₃)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	PERCENT SODIUM
TISHOMINGO											
343855088155380	80-10-16	18.0	<1	51	.00	.2	10	15	3.3	5.1	17
	81-02-12	16.5	<1	69	30	.2	10	21	4.1	5.5	14
	81-04-16	18.0	<1	41	29	.6	30	10	3.9	8.0	28
	81-07-09	19.0	12	110	88	.1	5.0	28	9.8	12	18
343855088155381	80-10-16	21.0	<1	360	360	1.7	84	97	29	6.3	4
	81-04-16	16.0	<1	420	410	5.6	278	110	36	6.5	3
	81-07-09	19.0	45	490	490	2.3	114	130	41	9.9	4
344047088171981	80-10-16	21.5	1	130	82	.3	15	30	13	5.0	7
	81-02-12	16.0	<1	140	130	1.0	50	32	15	10	13
	81-04-16	16.0	<1	170	160	1.9	94	40	18	10	11
	81-07-09	20.5	22	--	--	1.0	50	--	--	--	--
344154088173181	80-10-16	19.0	<1	680	680	2.6	129	180	57	12	4
	81-02-12	16.0	<1	1400	1400	15	745	400	100	12	2
	81-04-16	16.5	15	1600	1600	6.6	328	490	100	13	2
	81-07-09	18.5	17	1500	1500	11	546	400	110	17	2
345428088161980	80-10-16	17.0	<1	39	.00	2.5	124	10	3.4	2.7	12
	81-02-12	15.0	5	73	.00	1.8	89	14	9.3	3.4	9
	81-04-16	17.0	120	59	.00	.5	25	12	7.0	2.8	9
	81-07-09	17.0	<1	46	.00	.1	5.0	11	4.6	2.8	11

QUALITY OF GROUND WATER

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

STATION NUMBER	DATE OF SAMPLE	ALKALINITY LAB (MG/L AS CACO ₃)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLORIDE, DIS- SOLVED (MG/L AS CL)	FLUORIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO ₂)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITROGEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)
TISHOMINGO											
343614088103001	81-06-17	95	5.1	5.6	<.1	8.3	109	118	.32	230	110
344017088180402	81-06-11	48	9.6	2.3	<.1	32	121	104	.01	690	640
344017088180403	81-06-11	9.0	6.3	1.5	<.1	30	65	55	.02	3000	600
344228088173902	81-06-10	12	6.4	1.5	<.1	29	50	54	.07	250	200
344253088162802	81-06-10	19	2.6	1.4	<.1	28	60	72	.04	13000	0
344253088162803	81-06-10	4.0	7.9	.8	<.1	21	38	39	<.01	1400	570
344617088211901	81-06-16	26	.1	2.9	<.1	.4	38	31	.01	32000	32000
344638088200104	81-06-16	51	9.1	2.2	.2	34	101	101	.02	1500	200
344834088111601	81-06-17	36	1.4	1.4	<.1	9.2	43	64	.01	17000	1000
344849088120401	81-07-07	12	1.4	1.6	<.1	9.4	24	25	.19	490	420
344849088120403	81-06-17	7.0	2.5	1.0	<.1	8.1	26	22	.02	70	20
345007088185801	81-06-17	27	6.8	1.4	.2	8.7	56	64	.02	16000	0

STATION NUMBER	DATE OF SAMPLE	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO ₃)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLORIDE, DIS- SOLVED (MG/L AS CL)	FLUORIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITROGEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)
TISHOMINGO											
343855088155380	80-10-16	.3	3.0	48	24	4.0	<.1	16	100	101	.07
	81-02-12	.3	3.2	39	38	3.7	<.1	17	116	120	.04
	81-04-16	.5	2.8	12	44	1.8	<.1	19	117	98	.04
	81-07-09	.5	4.1	22	120	2.9	<.1	20	227	213	.04
343855088155381	80-10-16	.1	12	<1.0	530	3.0	.1	19	824	742	.11
	81-04-16	.1	11	12	680	2.2	<.1	21	1100	949	<.01
	81-07-09	.2	12	1.0	610	2.8	<.1	26	1070	923	.07
344047088171981	80-10-16	.2	5.7	46	91	3.5	<.1	12	247	207	.01
	81-02-12	.4	6.4	11	190	3.9	<.1	15	345	308	.04
	81-04-16	.3	6.3	10	190	3.0	<.1	17	318	299	.05
	81-07-09	--	--	29	120	3.5	<.1	--	269	--	.07
344154088173181	80-10-16	.2	18	<1.0	1100	13	.1	24	1890	1530	.08
	81-02-12	.1	19	1.0	2000	22	<.1	37	3180	2790	.03
	81-04-16	.1	21	<1.0	2200	18	<.1	33	3470	3090	<.01
	81-07-09	.2	24	<1.0	2100	39	<.1	39	3400	2910	.07
345428088161980	80-10-16	.2	1.7	60	4.9	5.2	.1	6.6	--	190	.03
	81-02-12	.2	1.4	120	4.7	6.3	<.1	6.2	309	337	.04
	81-04-16	.2	1.4	54	4.7	4.2	<.1	7.7	148	230	.05
	81-07-09	.2	1.7	68	3.9	3.4	<.1	8.5	108	188	.04

QUALITY OF GROUND WATER

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ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981--Continued

STATION	NUMBER	DATE OF SAMPLE	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
TISHOMINGO						
343614088103001		81-06-17	120	40	0	40
344017088180402		81-06-11	50	10	6	4
344017088180403		81-06-11	2400	50	0	50
344228088173902		81-06-10	50	50	0	60
344253088162802		81-06-10	16000	490	0	510
344253088162803		81-06-10	830	20	0	20
344617088211901		81-06-16	10	170	170	3
344638088200104		81-06-16	1300	380	20	360
344834088111601		81-06-17	16000	670	0	670
344849088120401		81-07-07	70	20	10	9
344849088120403		81-06-17	50	10	0	10
345007088185801		81-06-17	16000	1000	0	1000

STATION	NUMBER	DATE OF SAMPLE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
TISHOMINGO								
343855088155380		80-10-16	--	--	520	--	--	560
		81-02-12	21000	18000	3000	880	0	950
		81-04-16	320	250	70	640	100	540
		81-07-09	2500	1400	1100	1300	100	1200
343855088155381		80-10-16	--	--	39000	--	--	4800
		81-04-16	78000	15000	63000	7400	1100	6300
		81-07-09	83000	2000	81000	7000	0	7100
344047088171981		80-10-16	--	--	17000	--	--	1500
		81-02-12	120000	94000	26000	2700	500	2200
		81-04-16	--	--	5500	--	--	2700
		81-07-09	8900	--	--	1400	--	--
344154088173181		80-10-16	--	--	100000	--	--	19000
		81-02-12	160000	10000	150000	40000	1000	39000
		81-04-16	210000	10000	200000	42000	37000	5100
		81-07-09	300000	170000	130000	52000	8000	44000
345428088161980		80-10-16	--	--	110000	--	--	6600
		81-02-12	240000	40000	200000	20000	2000	18000
		81-04-16	160000	20000	140000	20000	2000	18000
		81-07-09	110000	0	110000	13000	1000	12000

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FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
<i>Length</i>		
inches (in)	2.54×10^1	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^0	kilometers (km)
<i>Area</i>		
acres	4.047×10^3	square meters (m ²)
	4.047×10^{-1}	square hectometers (hm ²)
	4.047×10^{-3}	square kilometers (km ²)
square miles (mi ²)	2.590×10^0	square kilometers (km ²)
<i>Volume</i>		
gallons (gal)	3.785×10^0	liters (L)
	3.785×10^0	cubic decimeters (dm ³)
	3.785×10^{-3}	cubic meters (m ³)
million gallons	3.785×10^3	cubic meters (m ³)
	3.785×10^{-3}	cubic hectometers (hm ³)
cubic feet (ft ³)	2.832×10^1	cubic decimeters (dm ³)
	2.832×10^{-2}	cubic meters (m ³)
cfs-days	2.447×10^3	cubic meters (m ³)
	2.447×10^{-3}	cubic hectometers (hm ³)
acre-feet (acre-ft)	1.233×10^3	cubic meters (m ³)
	1.233×10^{-3}	cubic hectometers (hm ³)
	1.233×10^{-6}	cubic kilometers (km ³)
<i>Flow</i>		
cubic feet per second (ft ³ /s)	2.832×10^1	liters per second (L/s)
	2.832×10^1	cubic decimeters per second (dm ³ /s)
	2.832×10^{-2}	cubic meters per second (m ³ /s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm ³ /s)
	6.309×10^{-5}	cubic meters per second (m ³ /s)
million gallons per day	4.381×10^1	cubic decimeters per second (dm ³ /s)
	4.381×10^{-2}	cubic meters per second (m ³ /s)
<i>Mass</i>		
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

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